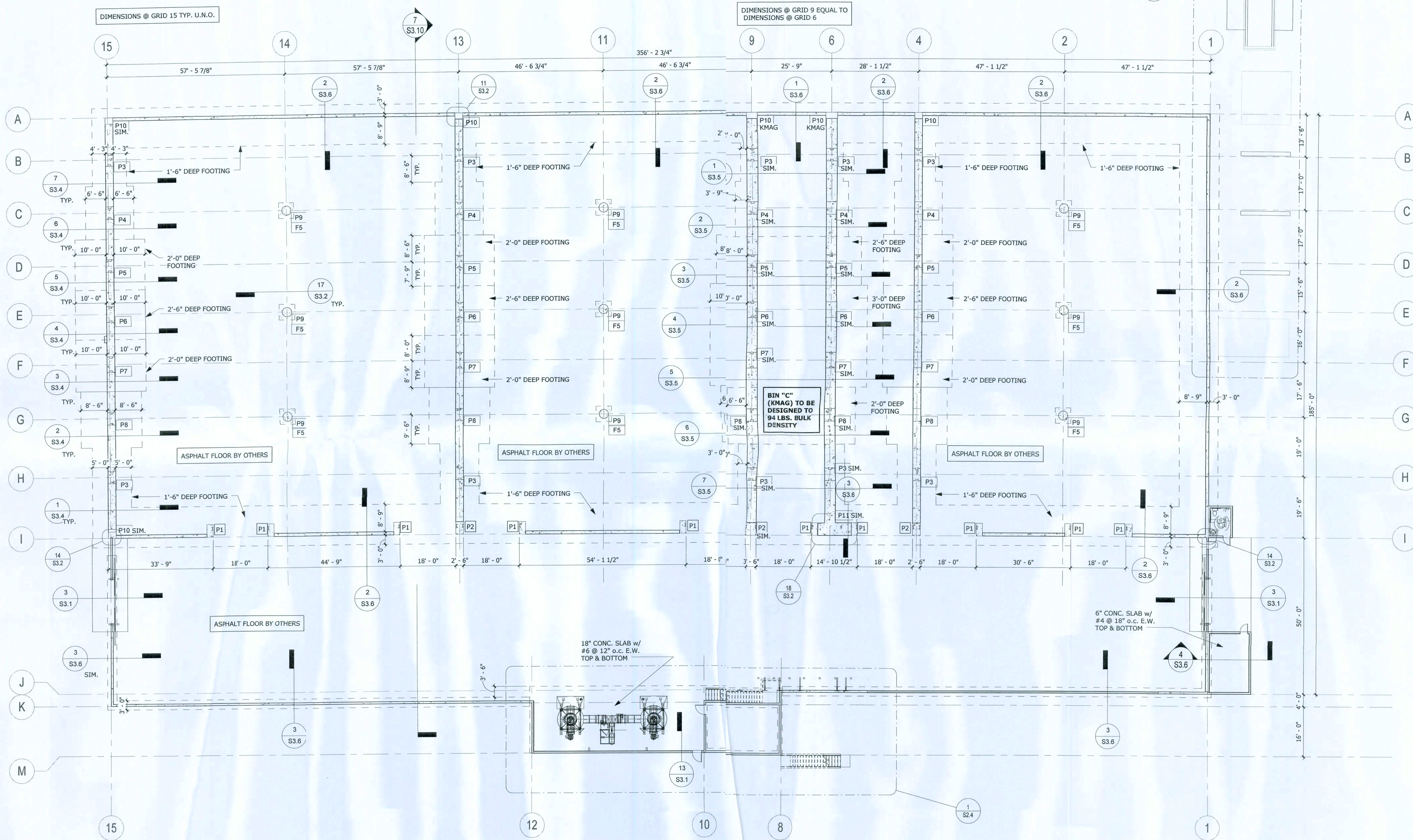




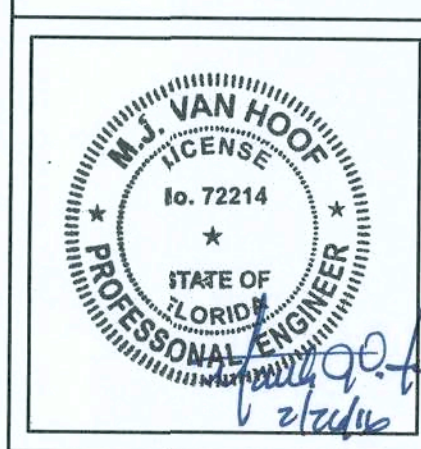
1 FOUNDATION PLAN
1/16" = 1'-0"

PLAN NOTES:

1. P'X' ON PLAN INDICATES PIER SIZE. SEE SCHEDULE ON SHEET S7.1.
2. F'X' ON PLAN INDICATES FOOTING SIZE. SEE SCHEDULE ON SHEET S7.1.
3. SEE 12/S3.2 FOR TYPICAL WALL CONTROL JOINT.
4. SEE 13 & 14/S3.2 FOR TYPICAL WALL CORNER REINFORCEMENT.
5. VERIFY ALL DIMENSIONS W/ MARCUS CONSTRUCTION DRAWINGS.
6. SEE 1/S3.1 FOR CONTROL JOINT DETAIL & 2/S3.1 FOR CONSTRUCTION JOINT DETAIL IN STORAGE & ALLEY WAY.
7. SEE 6/S3.1 FOR CONTROL JOINT DETAIL & 7/S3.1 FOR CONSTRUCTION JOINT DETAIL IN LOADOUT.
8. SEE 20/S3.2 FOR TYPICAL SECTION THRU PILASTER DETAIL.
9. SEE 11/S3.1 FOR TYPICAL CONTROL JOINT & 12/S3.1 FOR TYPICAL CONSTRUCTION JOINT AT DRY CONTAINMENT. SEE PLAN FOR EXTENTS.
10. SEE 14/S3.1 FOR TYPICAL CONTROL JOINT & CONSTRUCTION JOINT AT LIQUID CONTAINMENT. SEE PLAN FOR EXTENTS.
11. TOP OF ASPHALT 100'-2" TYP.

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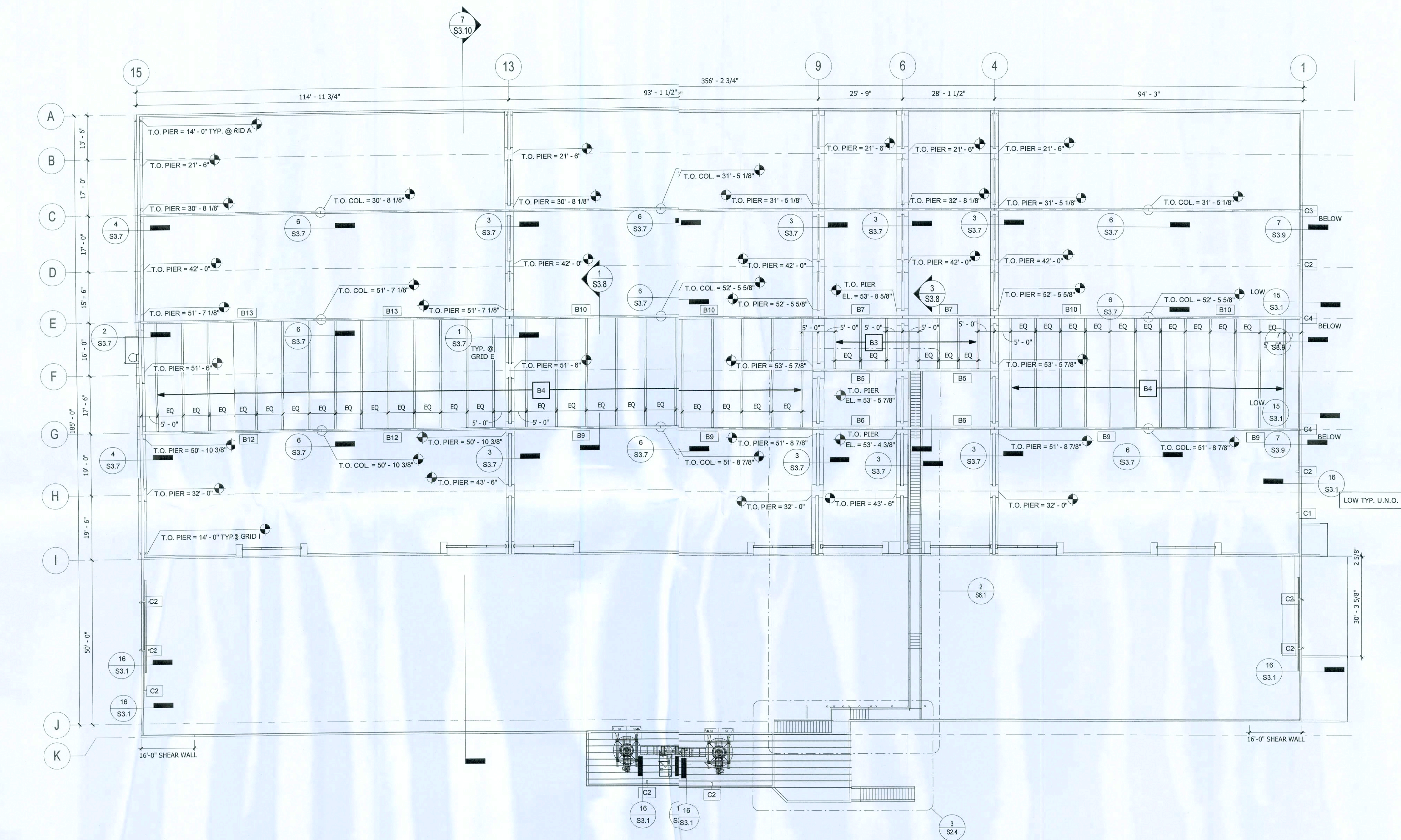


SHEET TITLE:	FOUNDATION PLAN
PROJECT #:	15431
DATE:	2/12/2016
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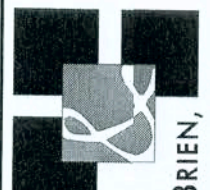
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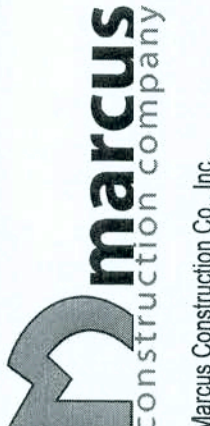
S2.1



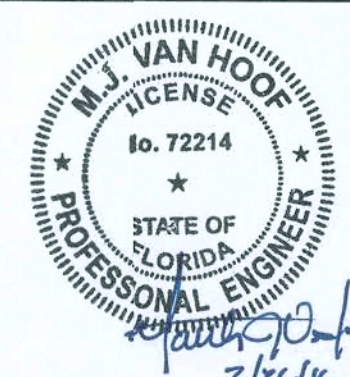
1 FRAMING PLAN
1/16\" = 1'-0"



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M.J. VAN HOOFT
LICENSE
No. 72214
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[Signature]

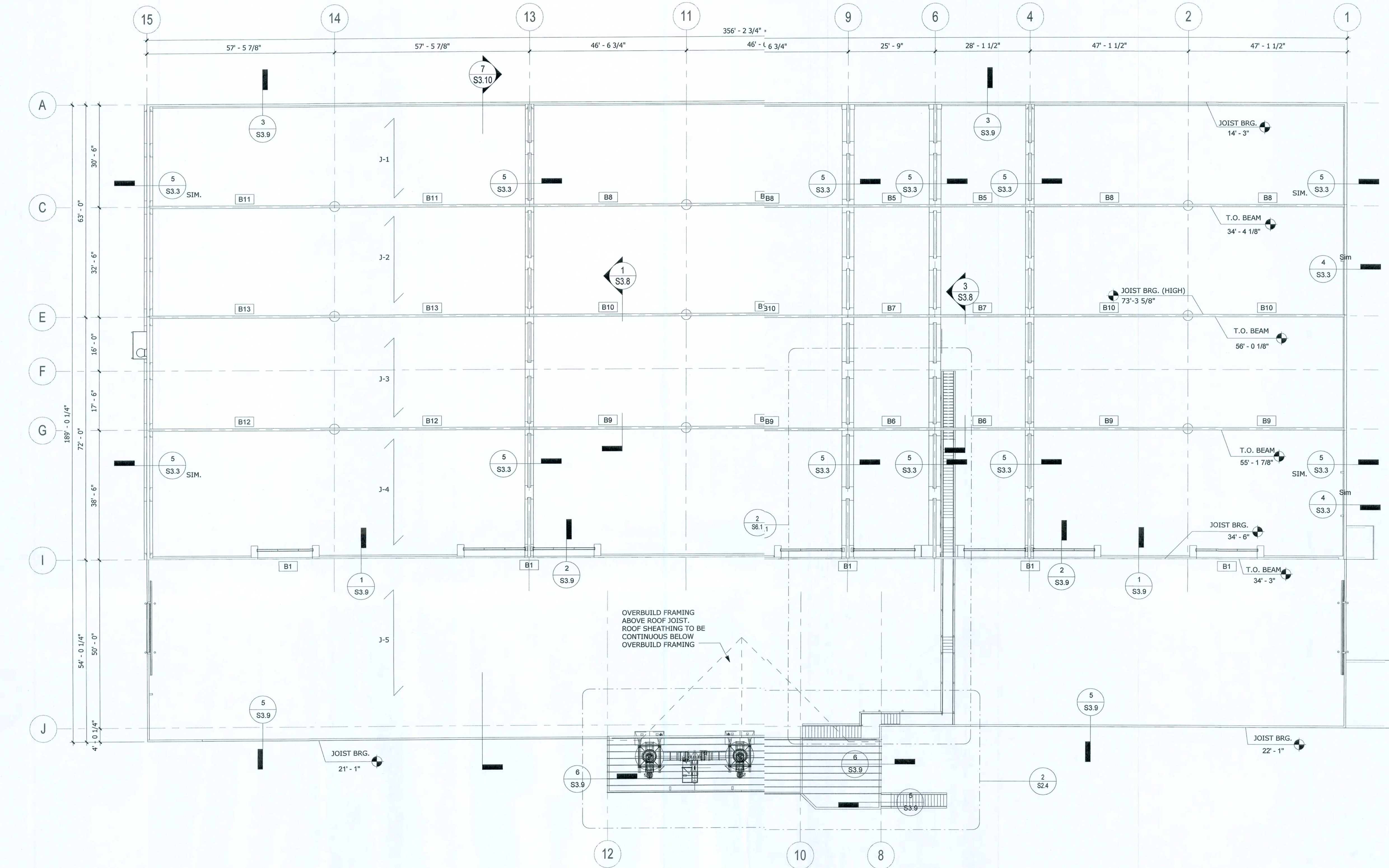
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PROJECT #:	15431
DATE:	2/12/2016
DRAWN BY:	Author

NO.	REVISIONS/ISSUE	DATE

MAYO PLANT FOOD BUILDING

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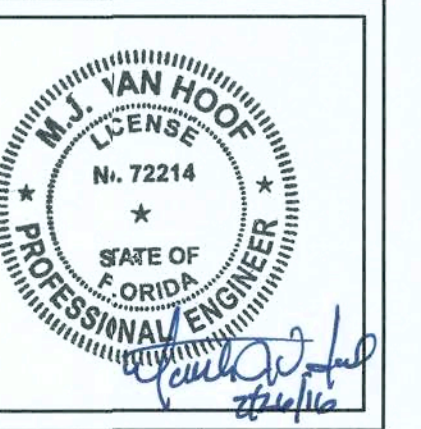
S2.2



1 ROOF FRAMING PLAN
1/16" = 1'-0"

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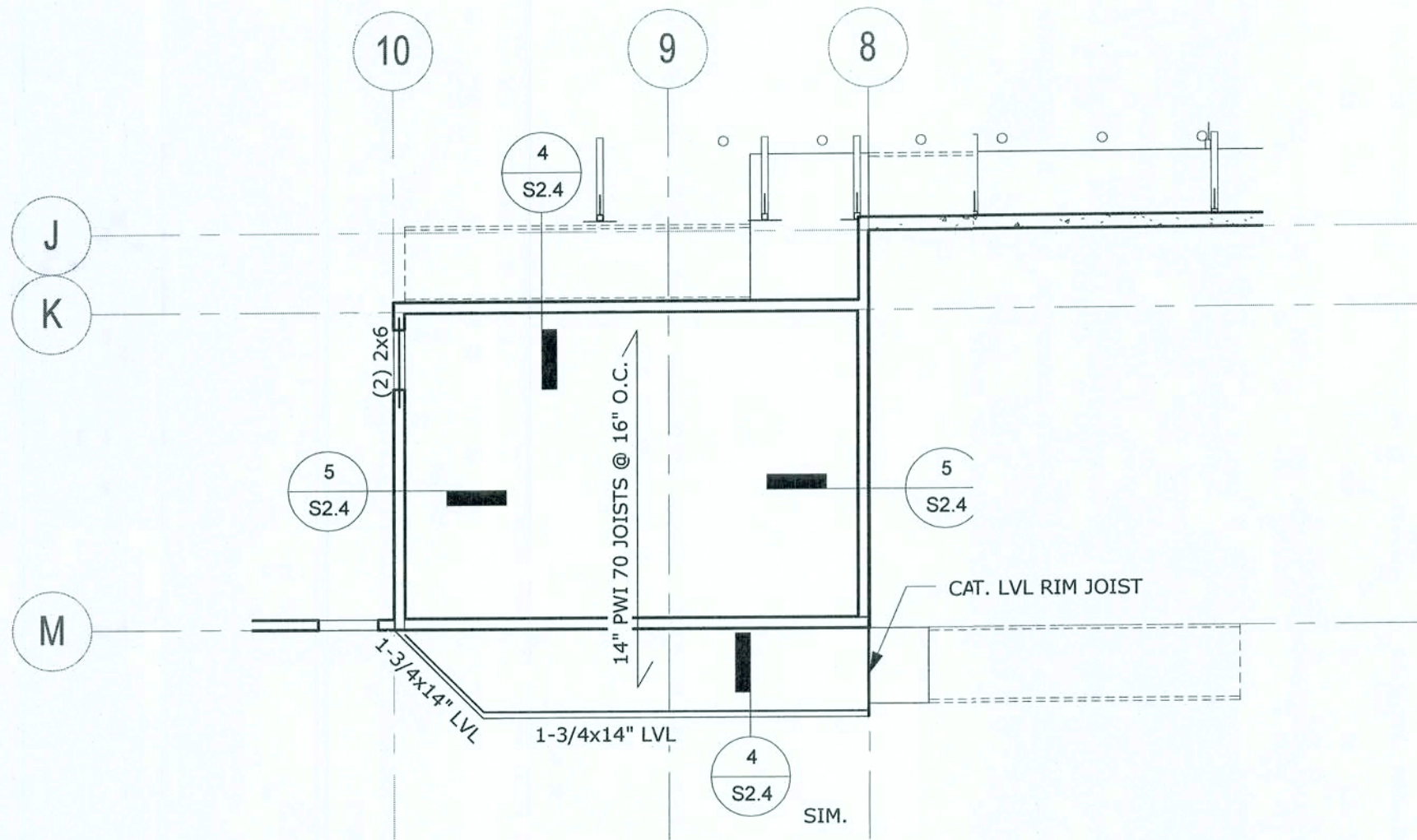


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PROJECT #:	15431
DATE:	2/12/2016
DRAWN BY:	Author

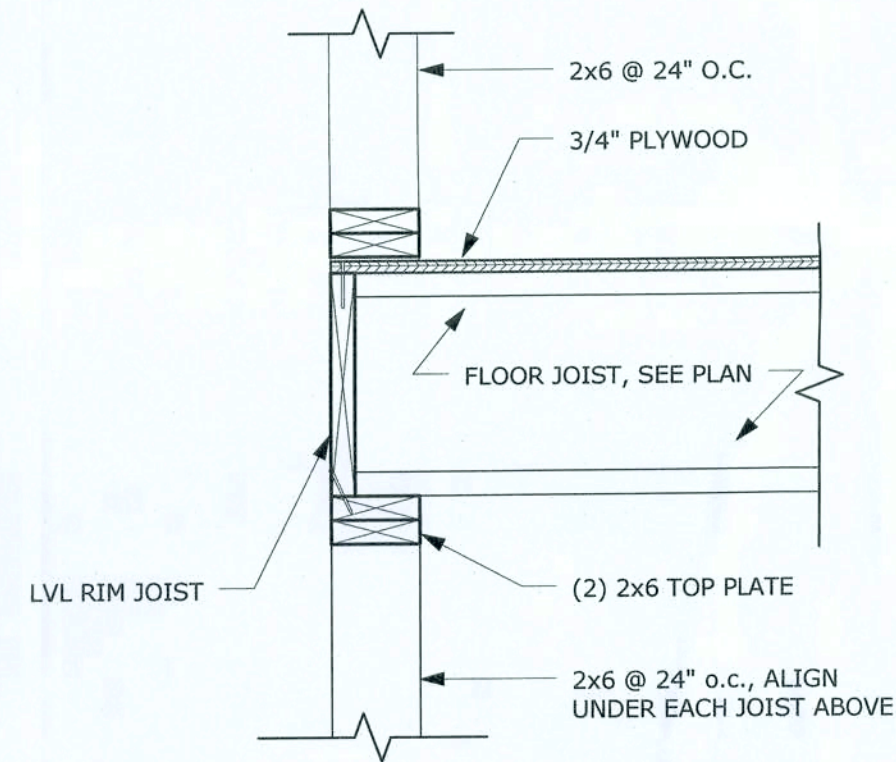
NO.	REVISIONS/ISSUE	DATE

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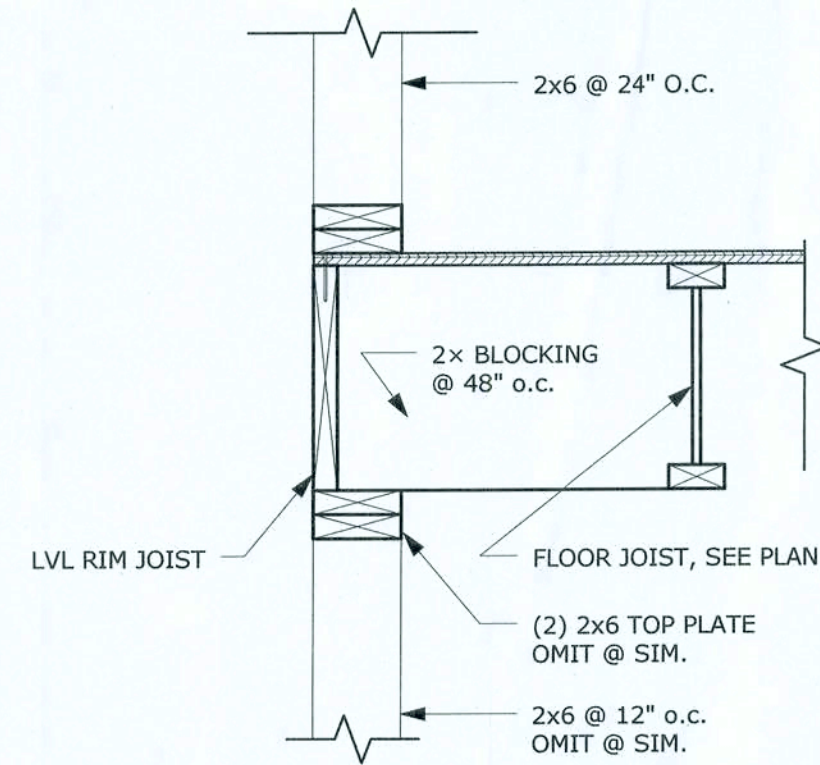
S2.3



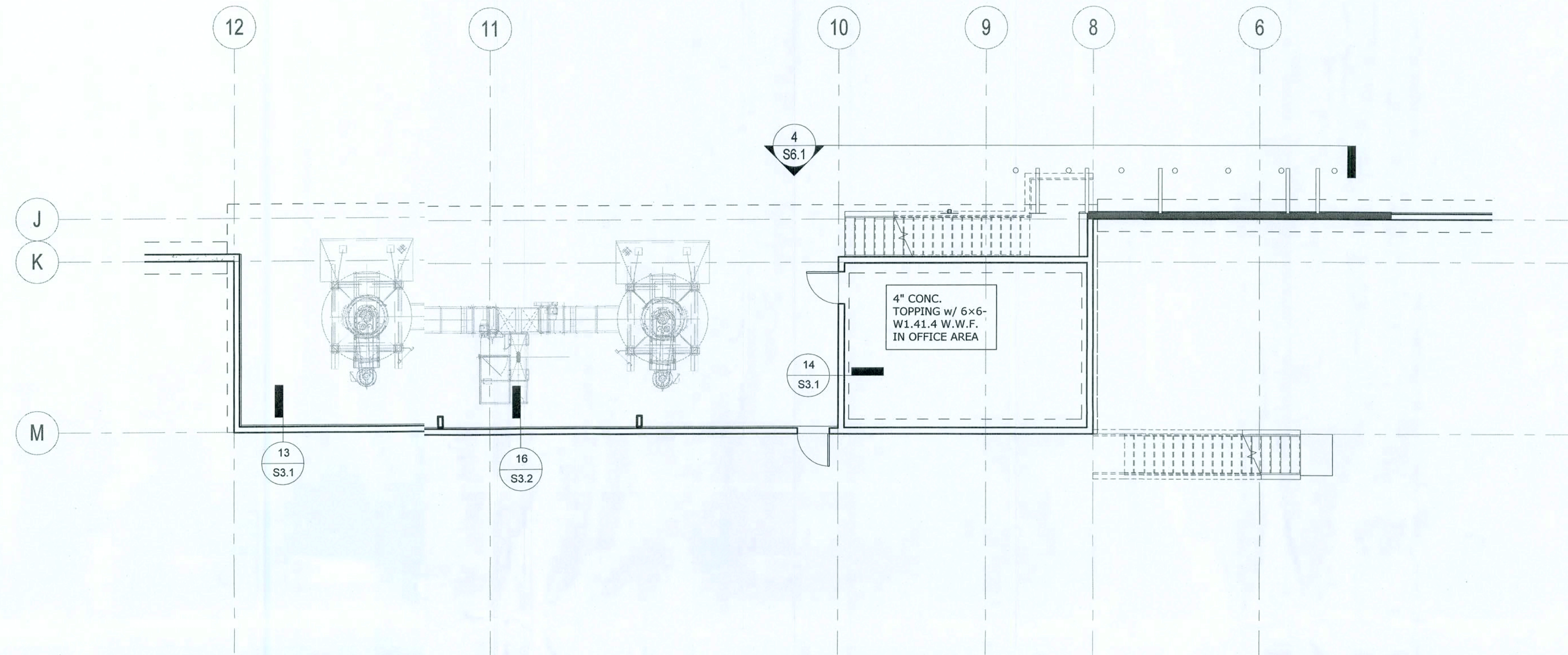
3 OFFICE FRAMING PLAN
1/8" = 1'-0"



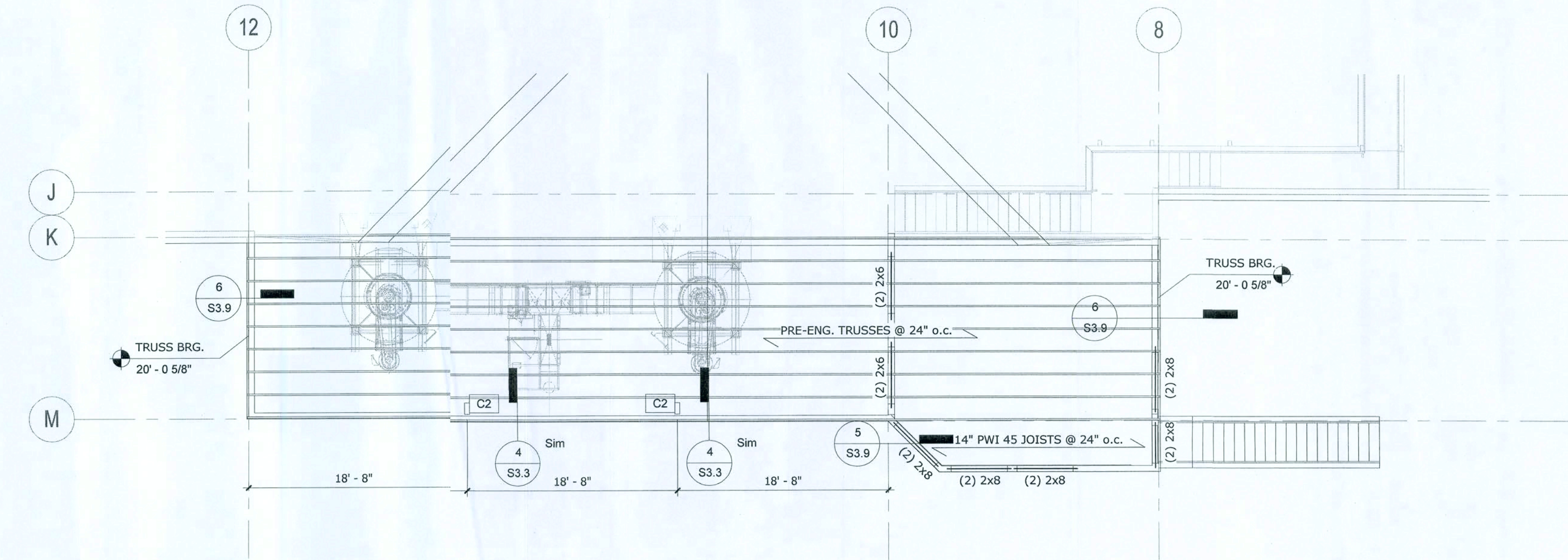
4 JOIST BRG. @ MEZZ.
1" = 1'-0"



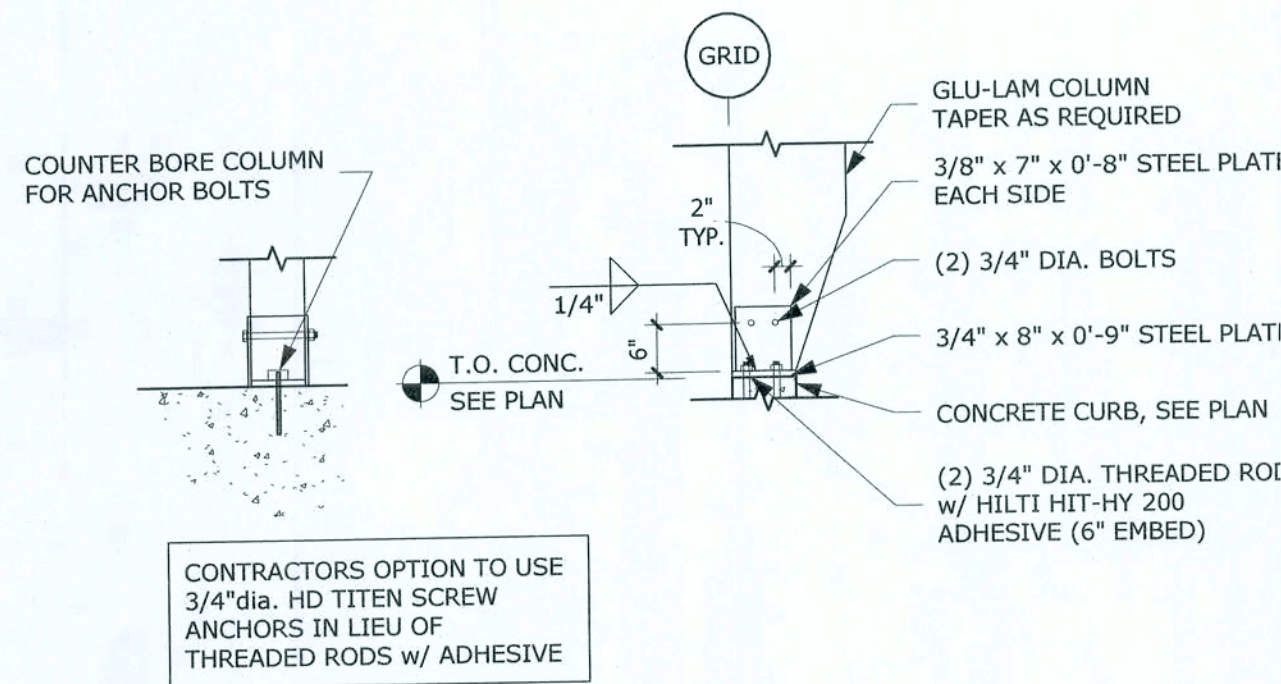
5 EDGE BRG. @ MEZZ.
1" = 1'-0"



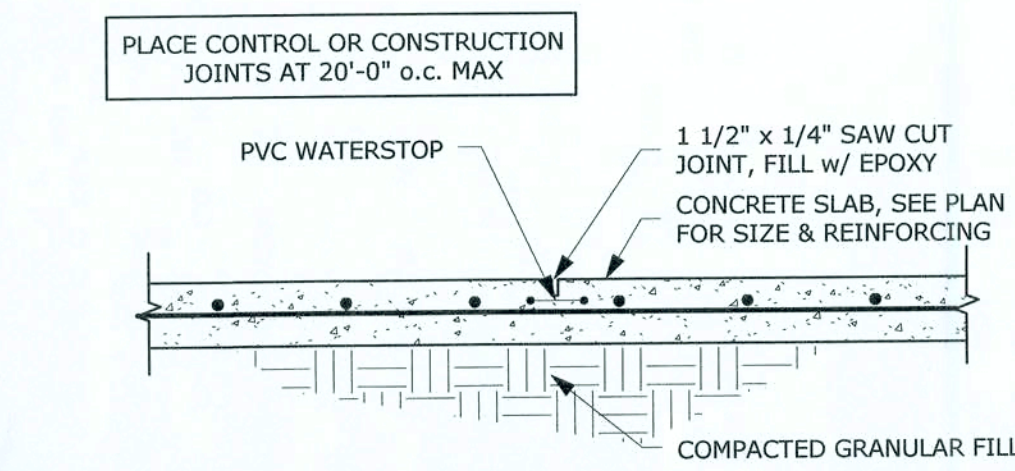
1 ENLARGED FOUNDATION PLAN
1/8" = 1'-0"



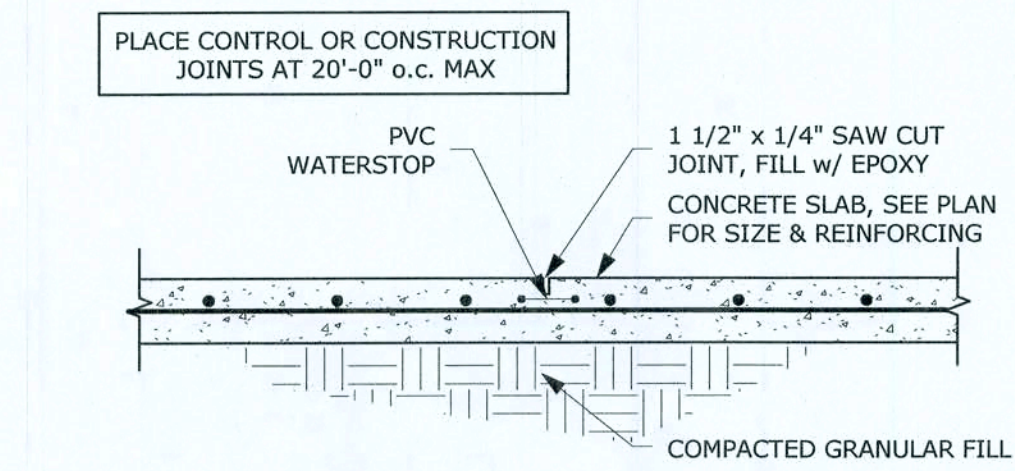
2 ENLARGED ROOF FRAMING PLAN
1/8" = 1'-0"



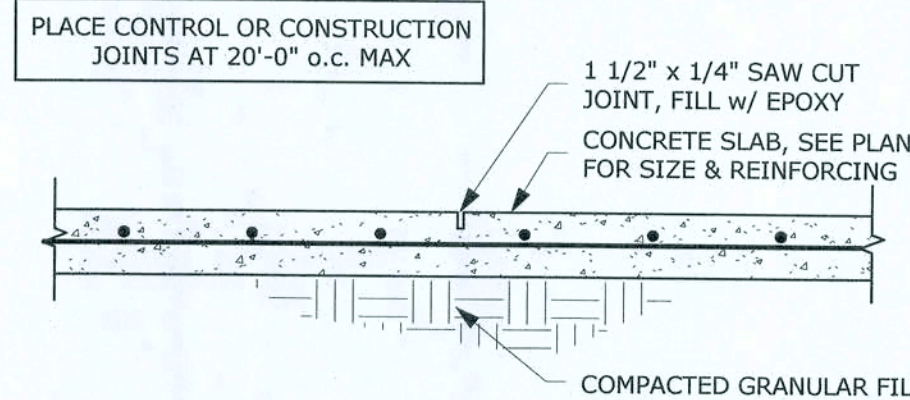
16 SECTION AT GLU-LAM COLUMN
1/2" = 1'-0"



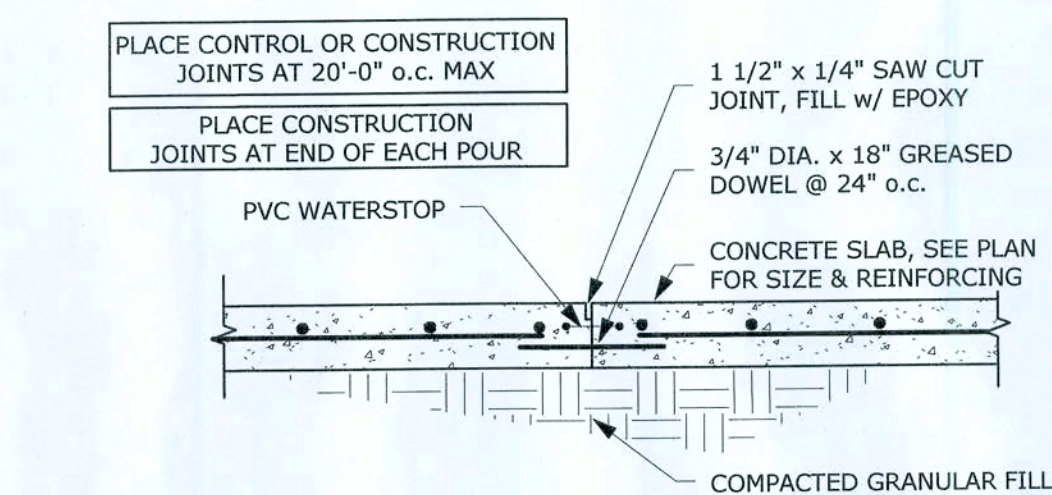
11 DRY CONTAINMENT CONTROL JOINT
1/2" = 1'-0"



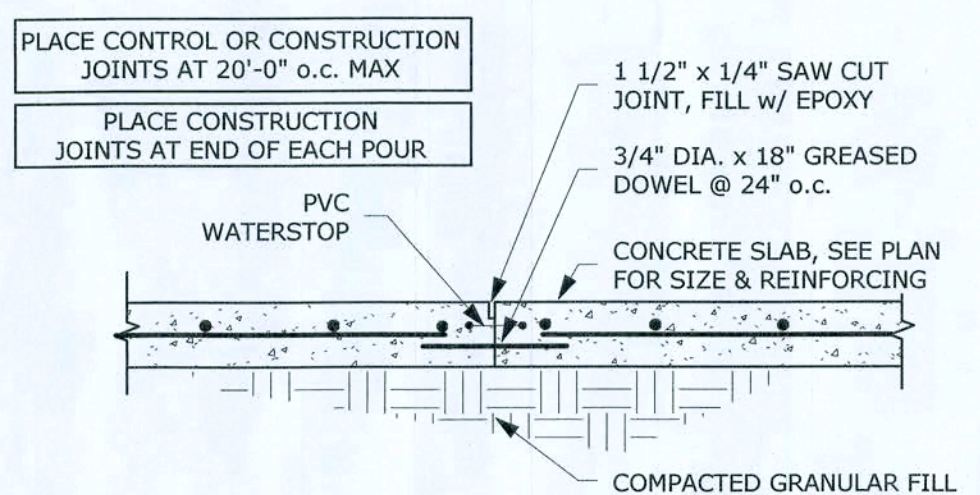
6 LOADOUT CONTROL JOINT DETAIL
1/2" = 1'-0"



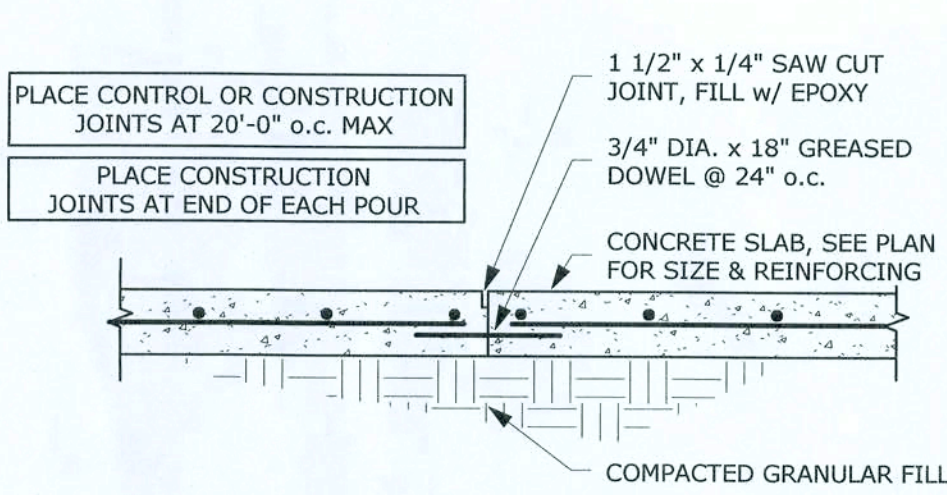
1 CONTROL JOINT DETAIL
1/2" = 1'-0"



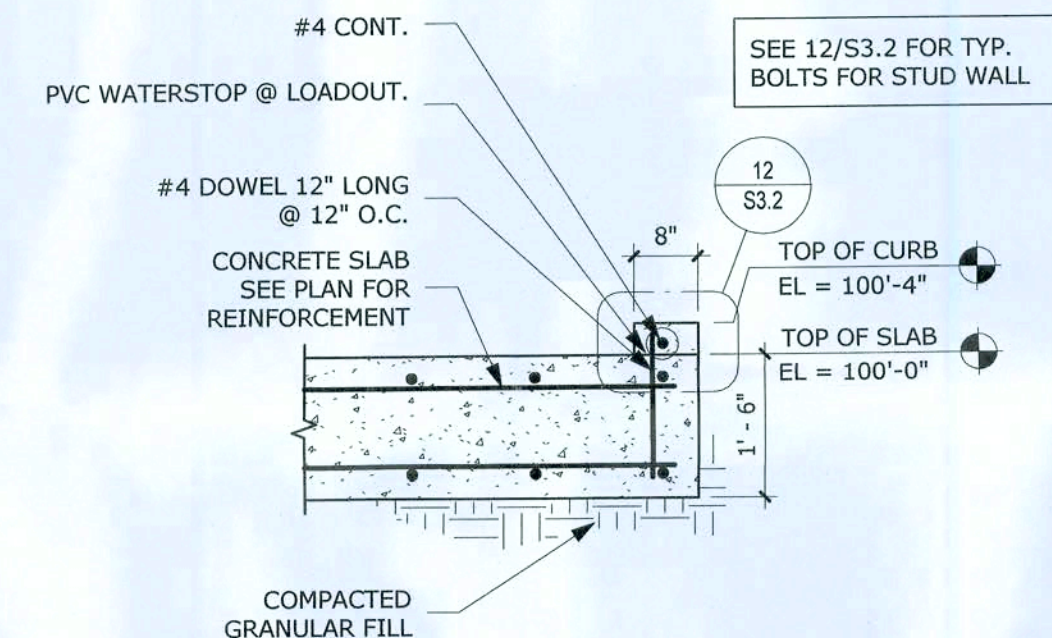
12 DRY CONTAINMENT CONST. JOINT DETAIL
1/2" = 1'-0"



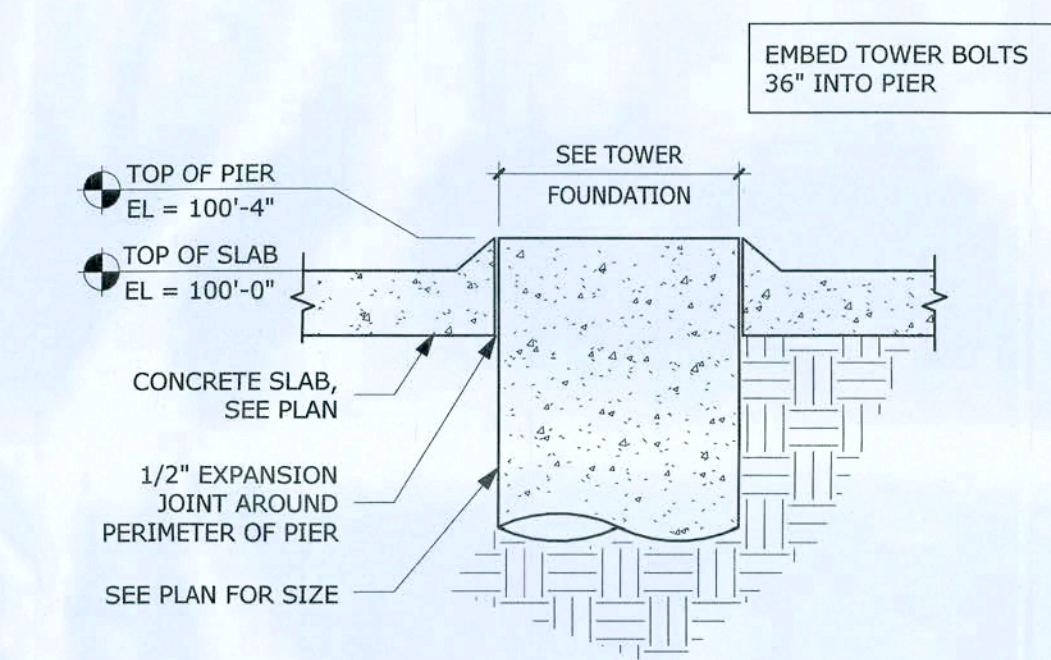
7 LOADOUT CONST. JOINT DETAIL
1/2" = 1'-0"



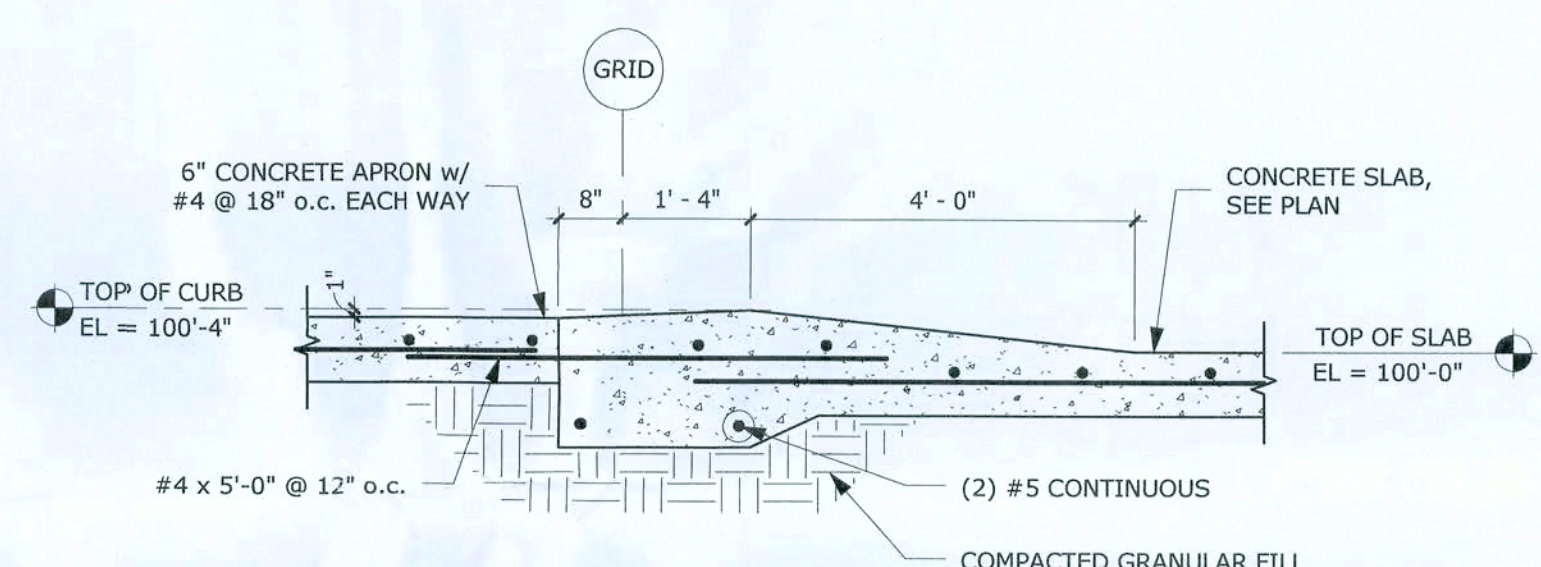
2 CONSTRUCTION JOINT DETAIL
1/2" = 1'-0"



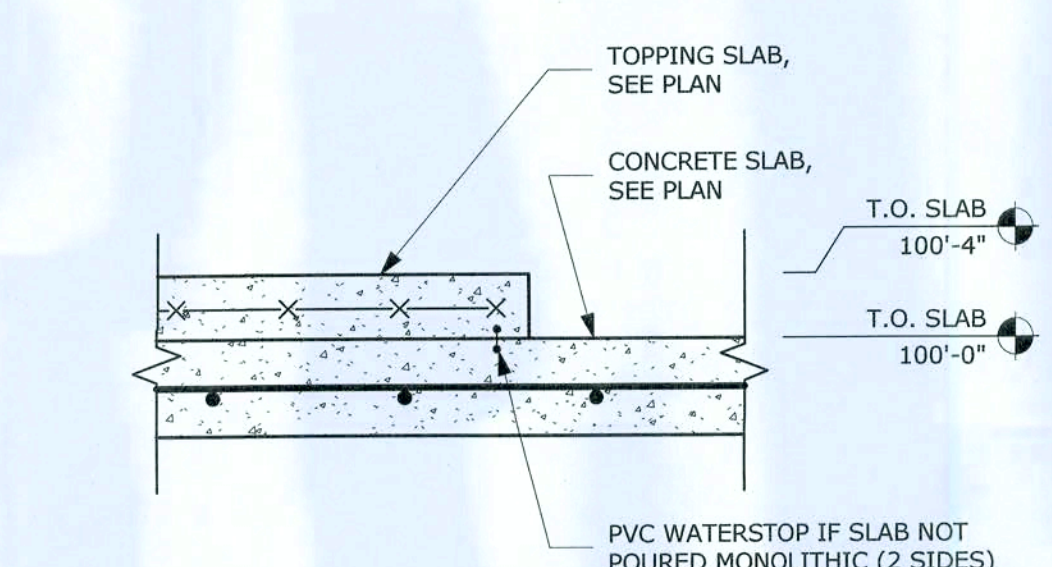
13 SECTION @ LOADOUT CURB
1/2" = 1'-0"



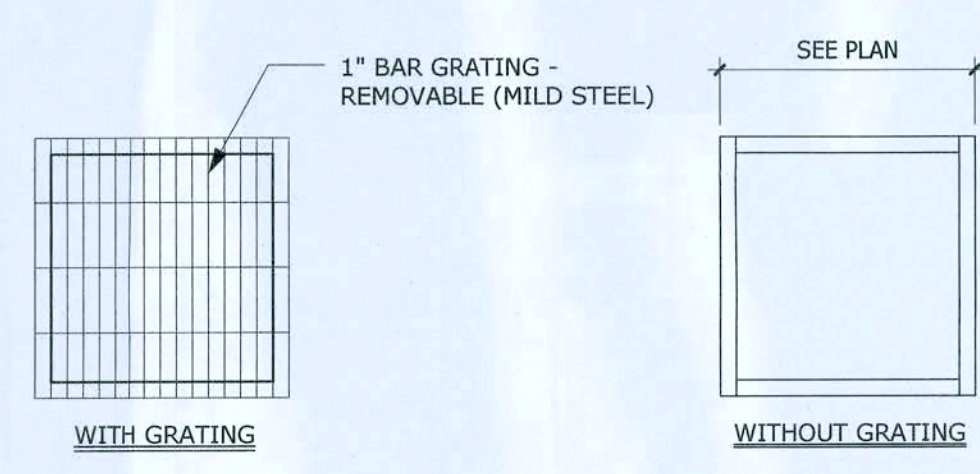
8 TOWER PIER
1/2" = 1'-0"



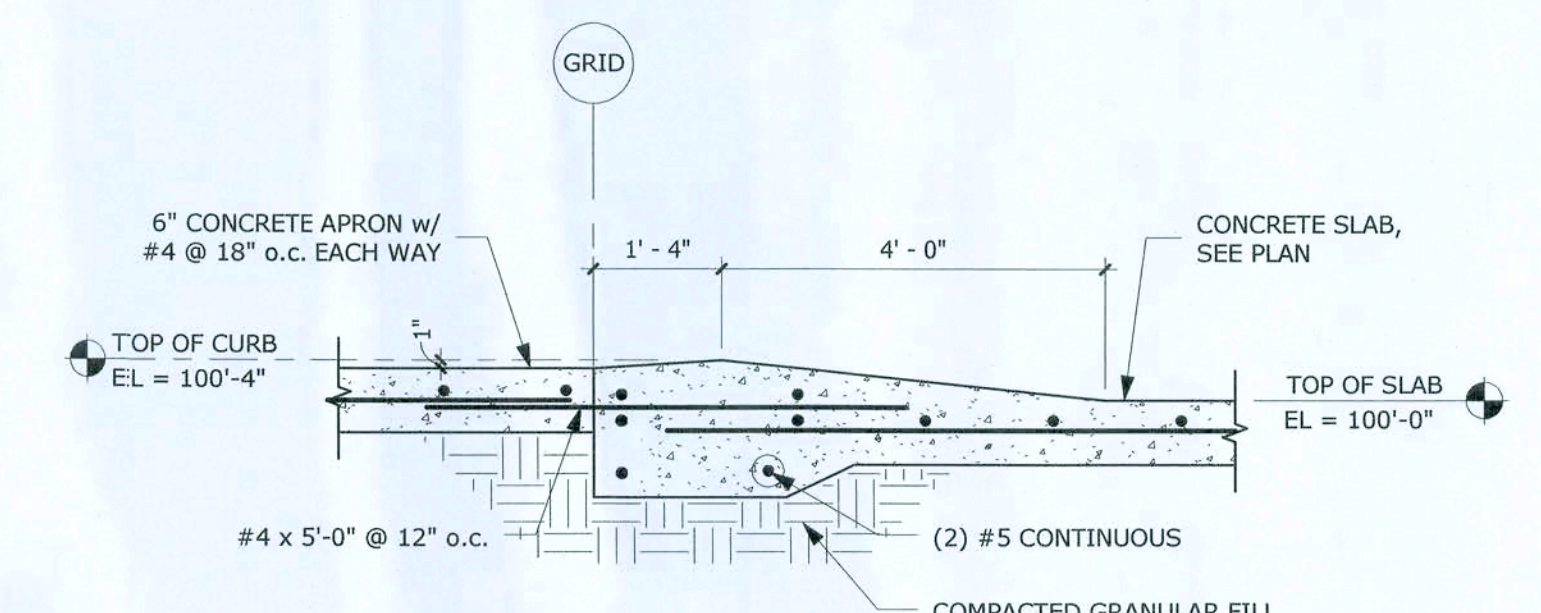
3 SLAB DETAIL @ OVERHEAD DOOR - ALLEYWAY
1/2" = 1'-0"



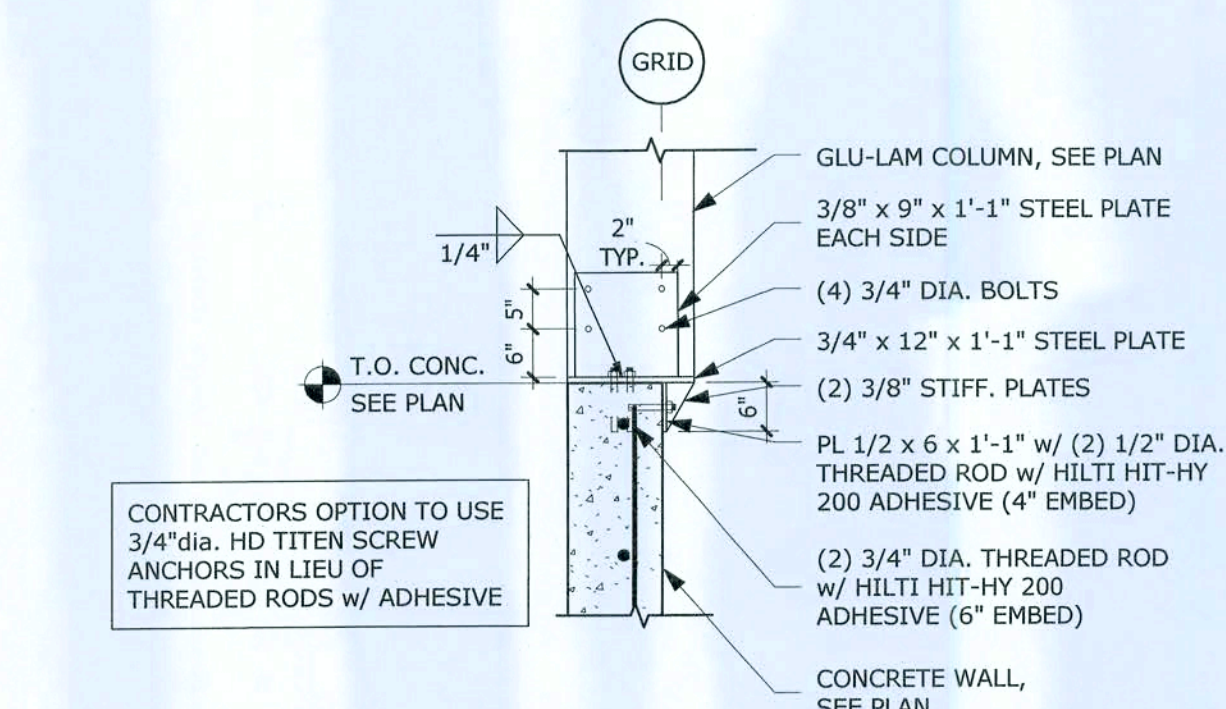
14 TOPPING SLAB DETAIL
1" = 1'-0"



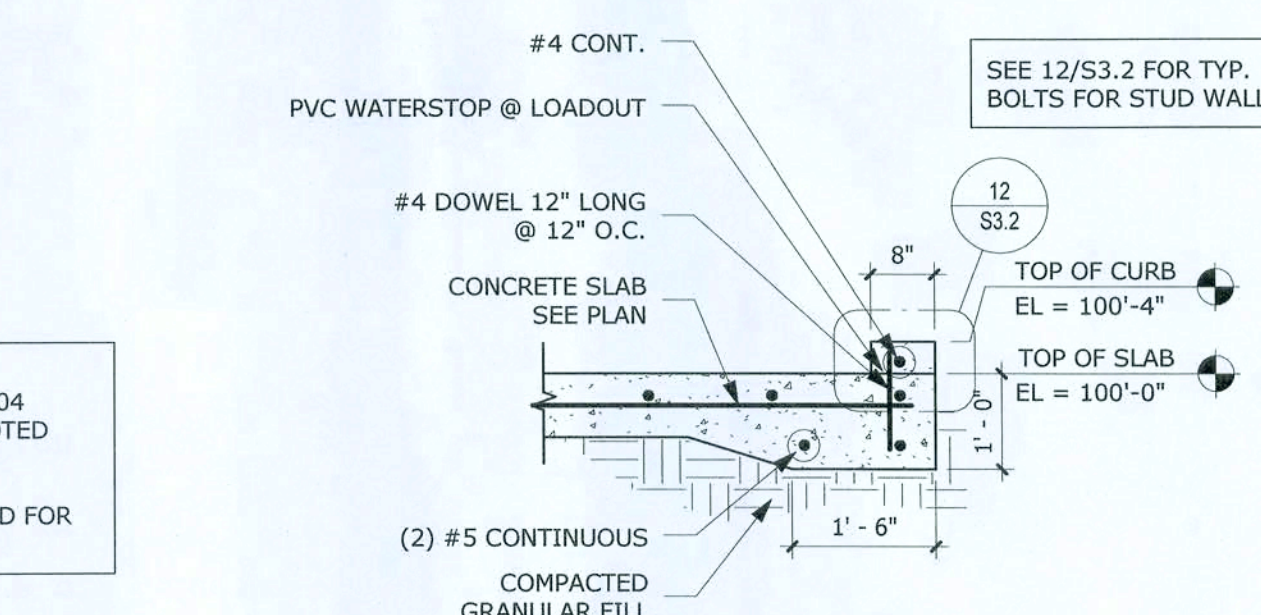
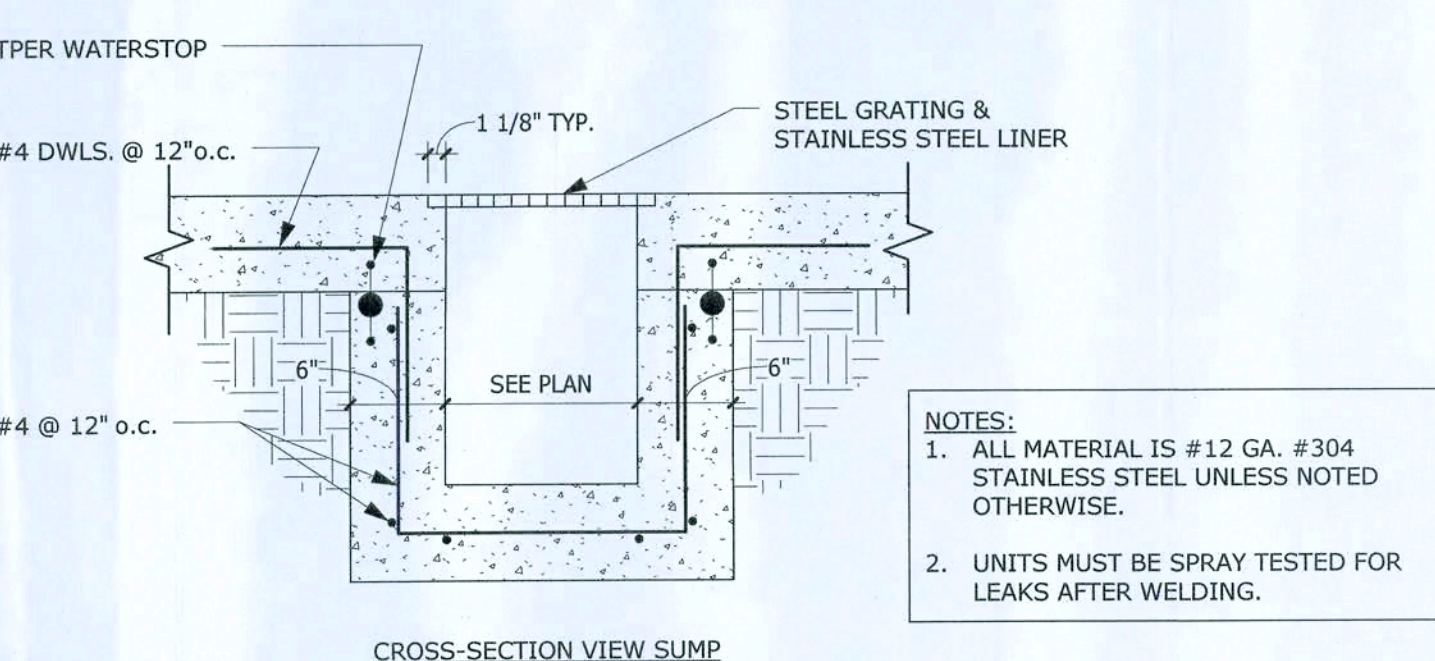
10 SUMP PIT SECTION
1" = 1'-0"



4 SLAB DETAIL @ OVERHEAD DOOR - LOADOUT
1/2" = 1'-0"



15 GLU-LAM COLUMN BASE
1/2" = 1'-0"



5 SECTION @ PERIM. CURB
1/2" = 1'-0"

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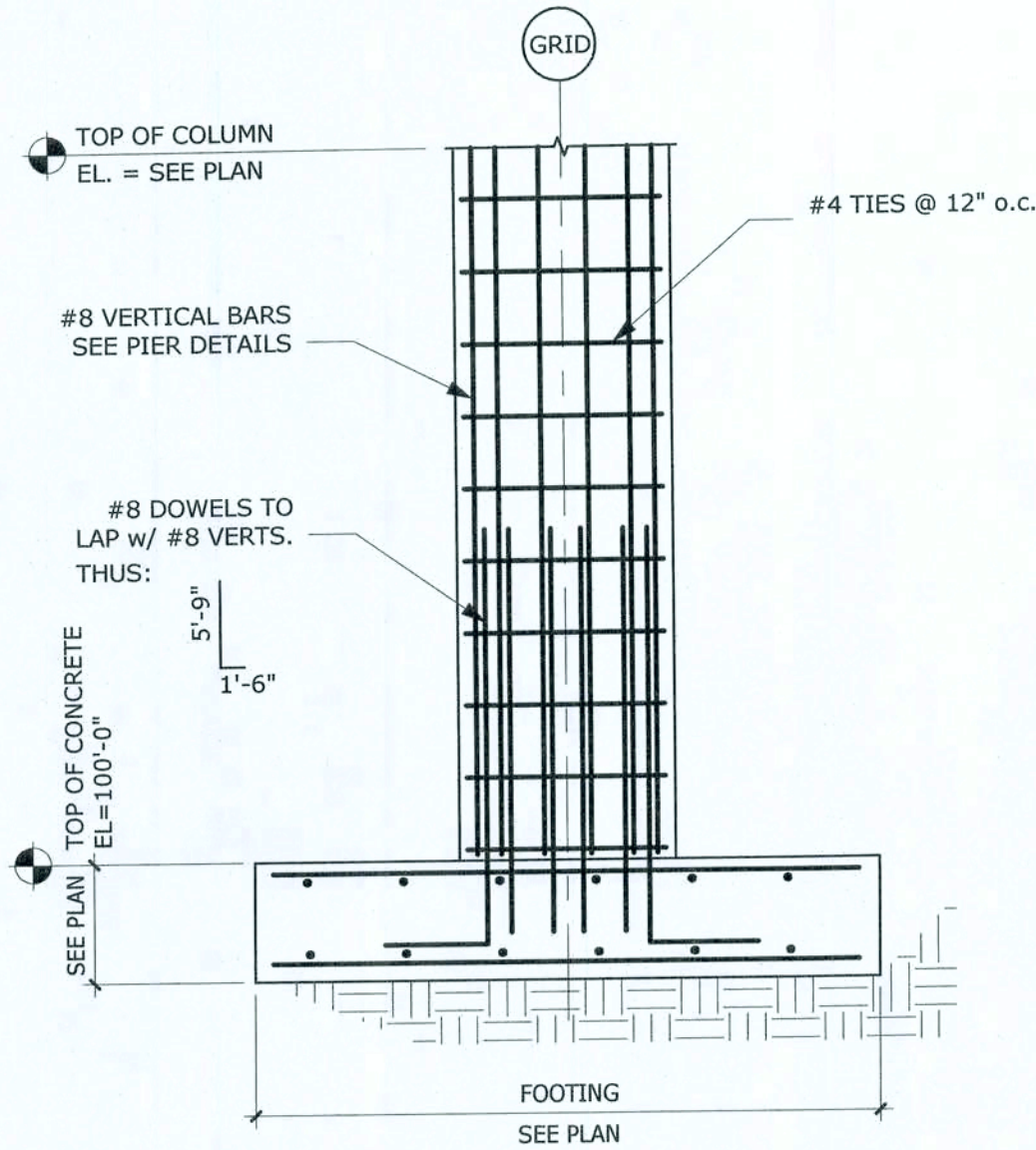
VAN HOE
No. 72214
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P. J. Van Hoo
J. J. Van Hoo

SHEET TITLE:	SECTIONS AND DETAILS
PROJECT #:	15431
DATE:	2/12/2016
DRAWN BY:	CAF

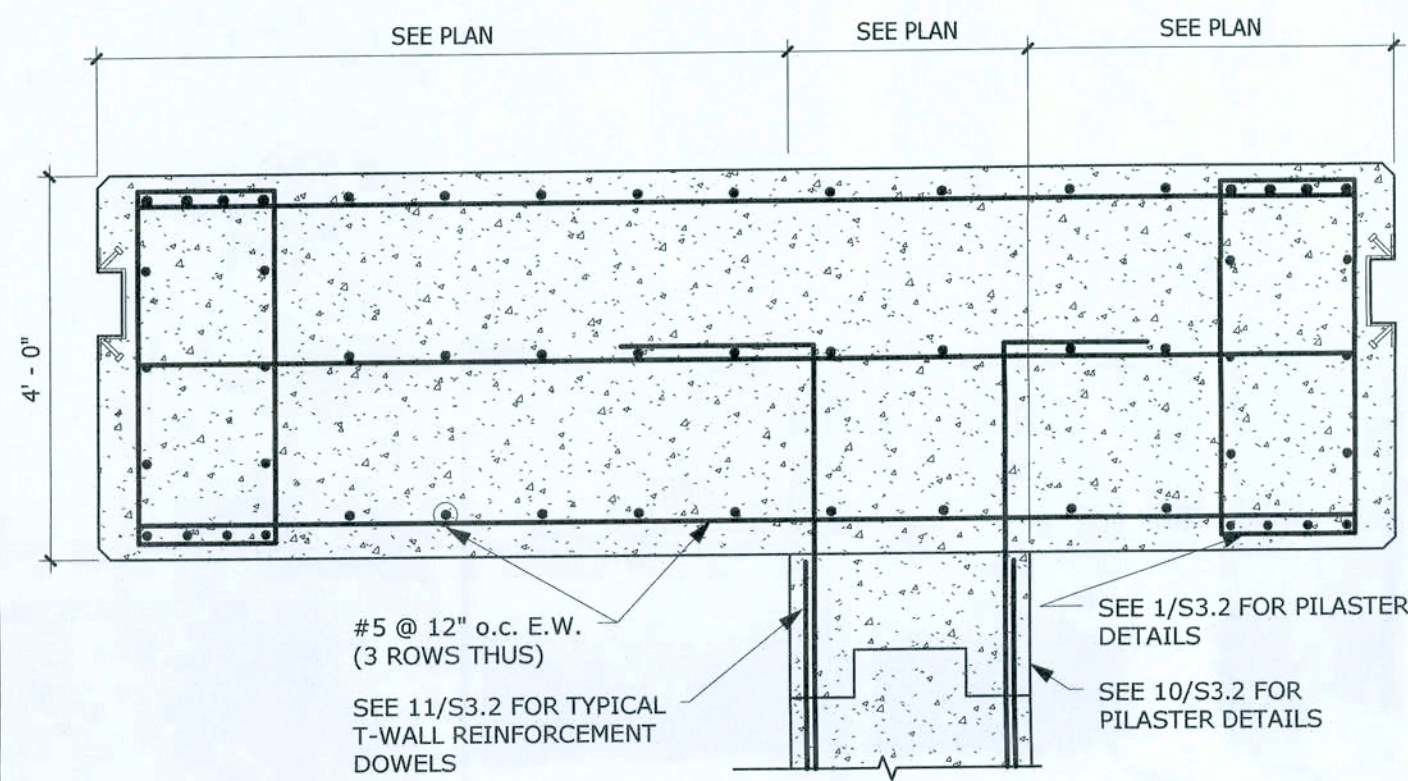
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LAKE CITY, FLORIDA

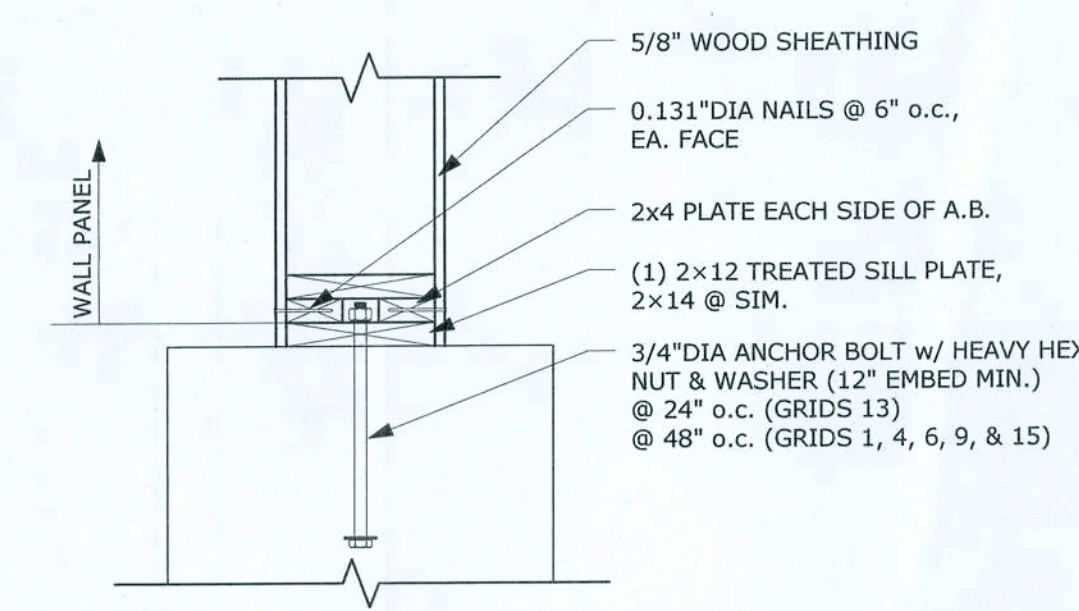
S3.1



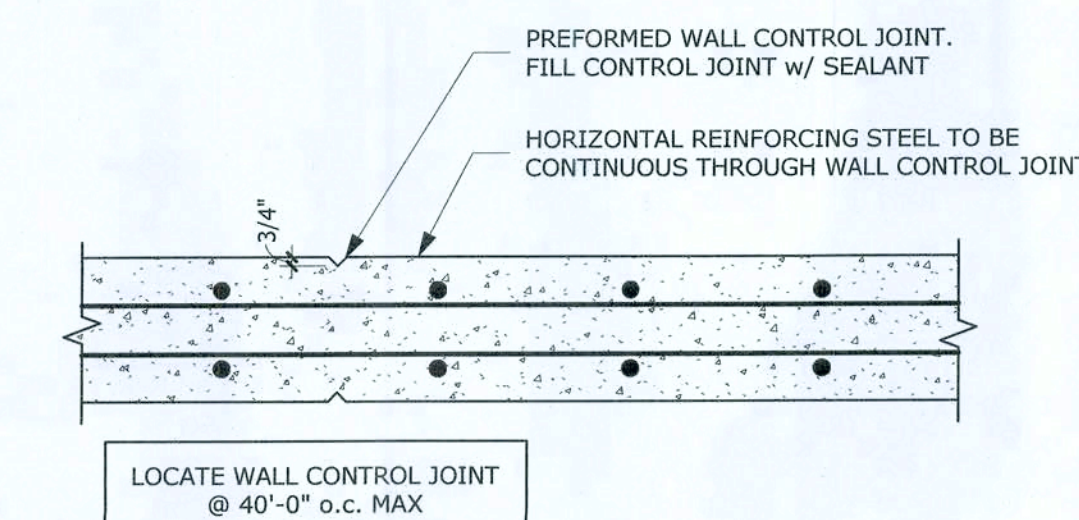
17 SECTION AT CONCRETE COLUMN
3/8" = 1'-0"



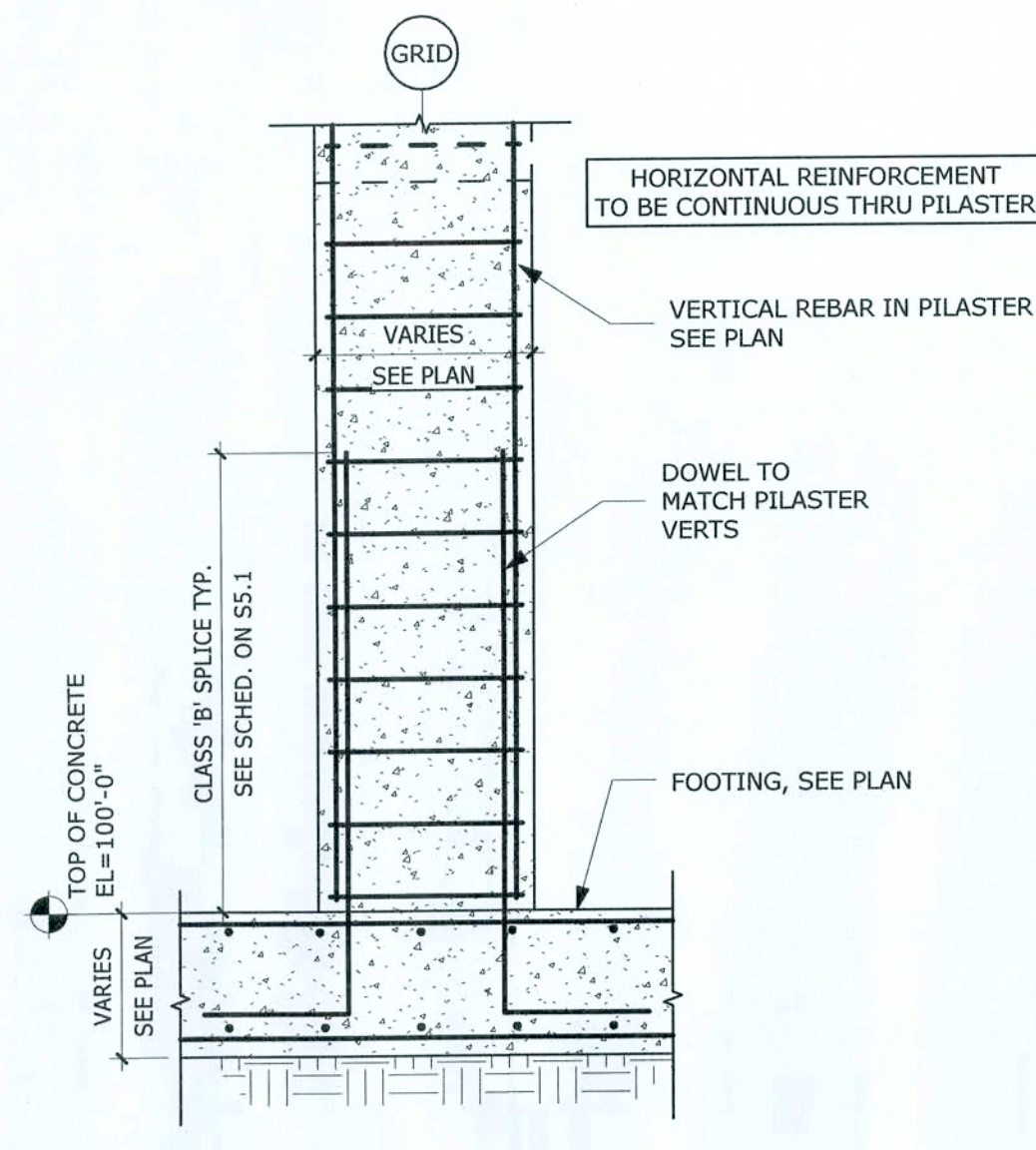
18 PILASTER DETAIL AT P1
1/2" = 1'-0"



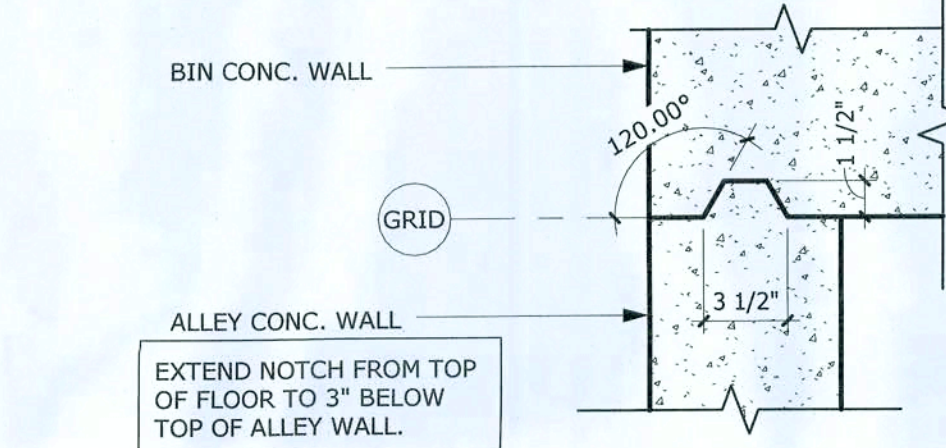
19 SILL DETAIL
1" = 1'-0"



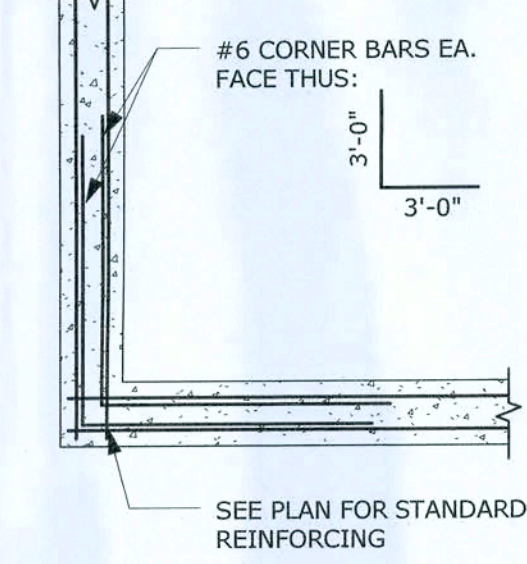
20 TYPICAL WALL CONTROL JOINT
3/4" = 1'-0"



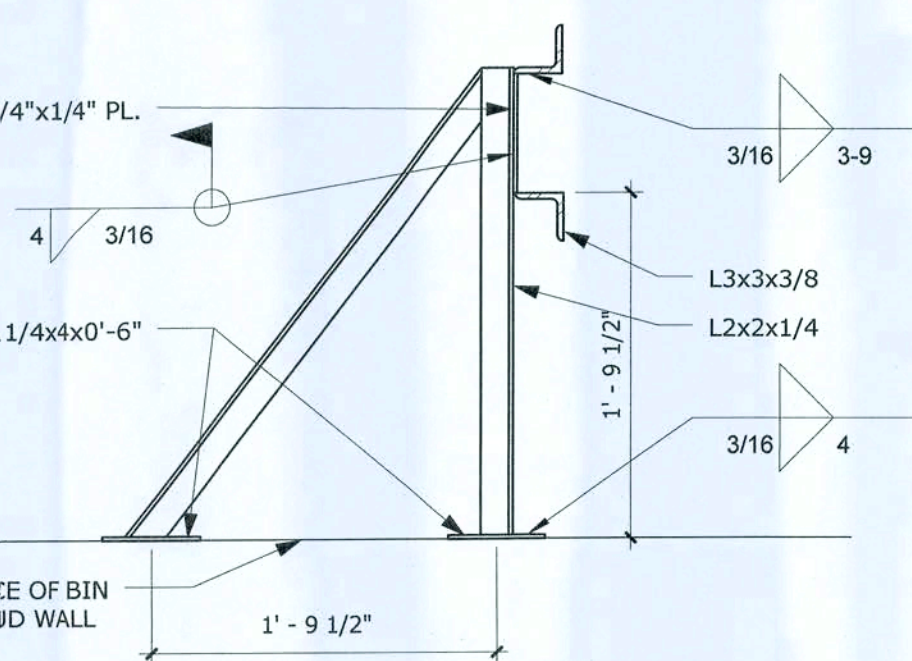
16 SECTION THRU PILASTER
3/8" = 1'-0"



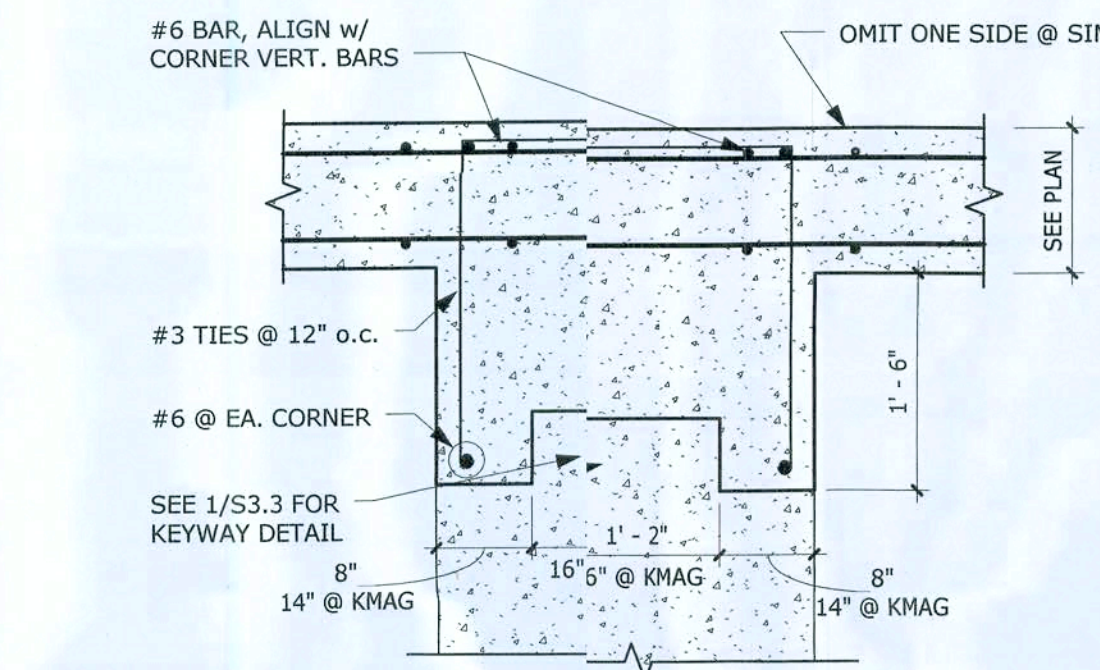
14 CONC. NOTCH @ ALLEY CORNER
1 1/2" = 1'-0"



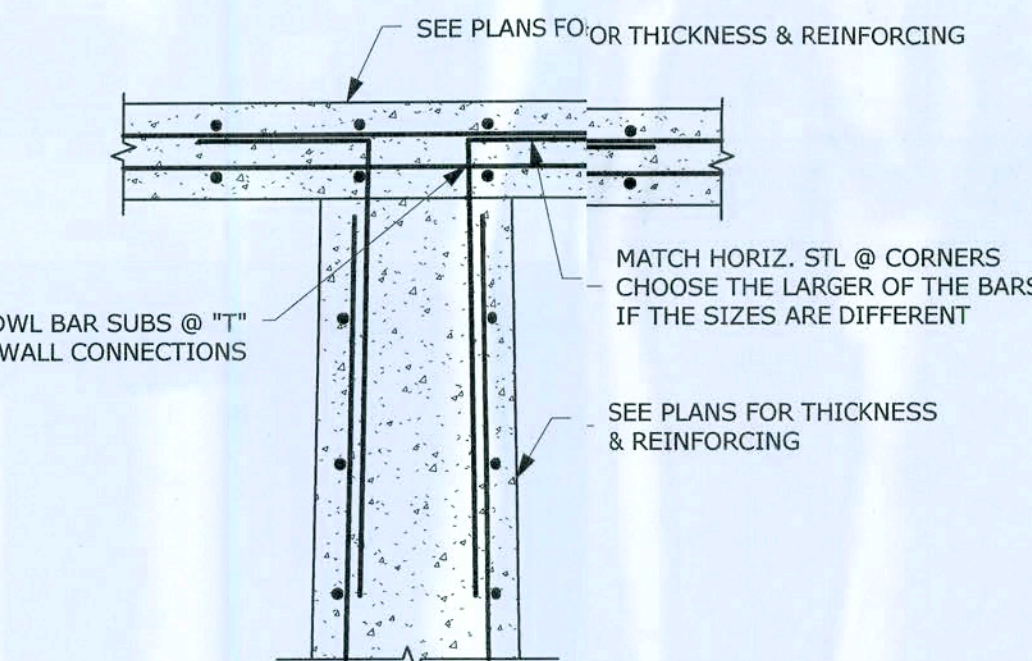
15 DETAIL
1/2" = 1'-0"



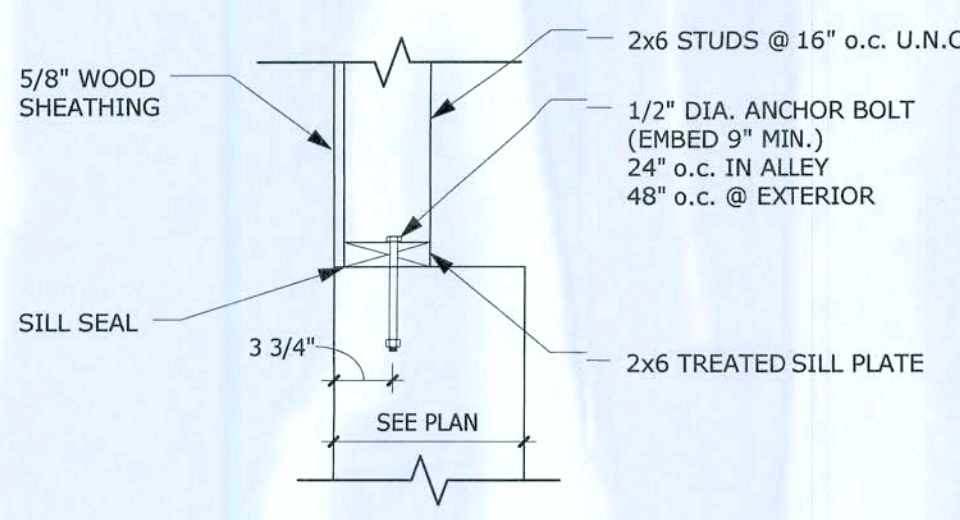
16 STL. JAMB @ DOOR PIER
1" = 1'-0"



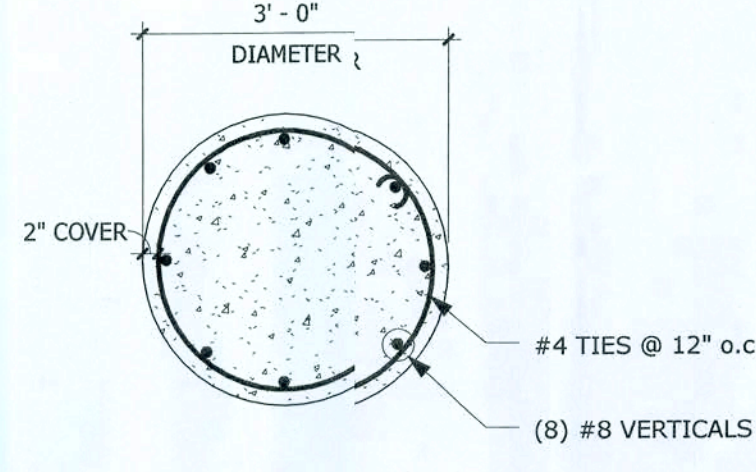
10 P10 - PILASTER DETAIL
3/4" = 1'-0"



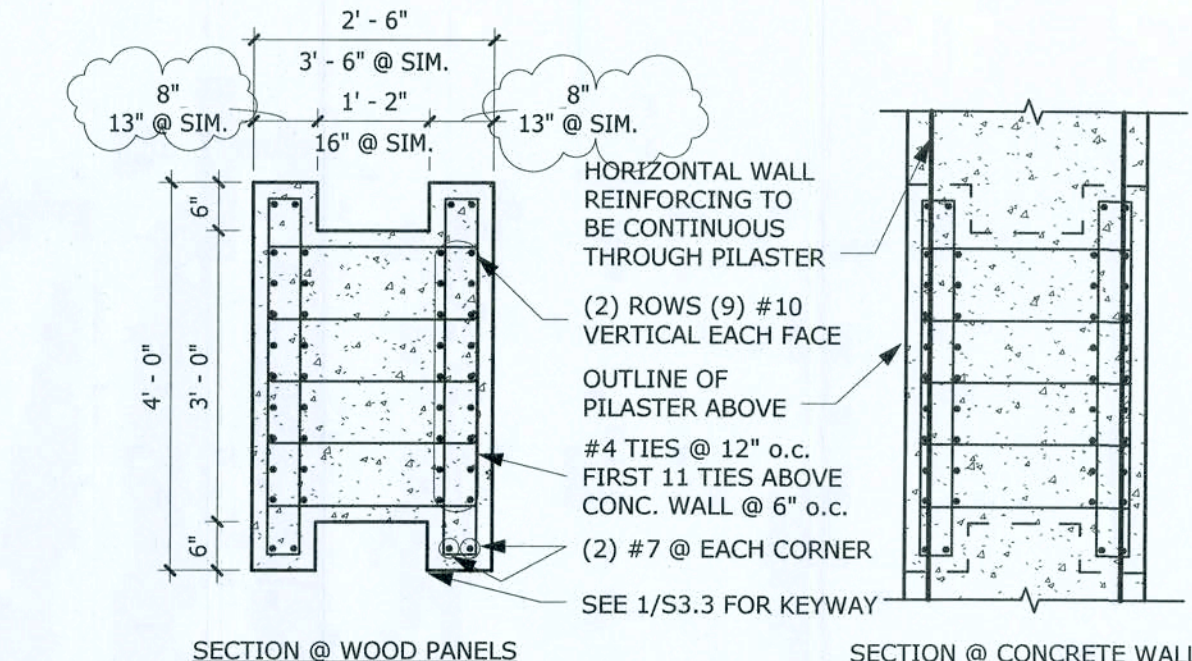
11 TYPICAL WALL CORNER REINFORCING
1/2" = 1'-0"



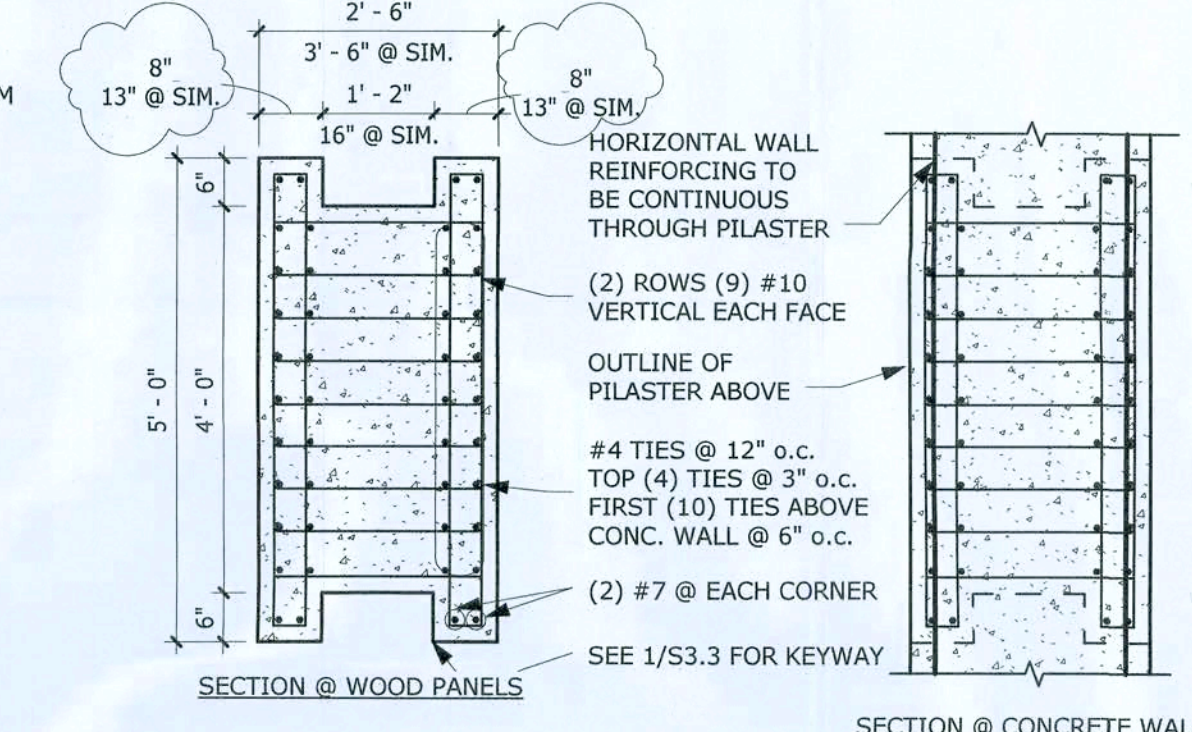
12 SILL DETAIL @ ALLEY & LOADOUT
1" = 1'-0"



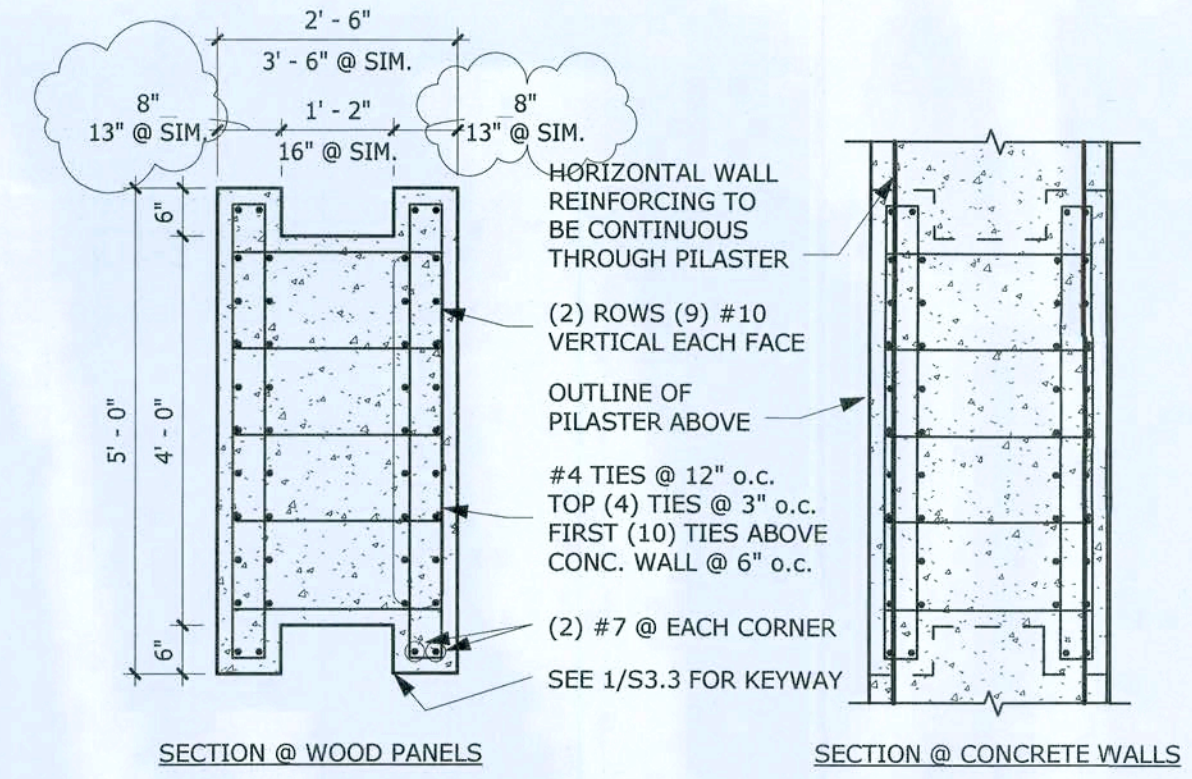
9 P9 - COLUMN DETAIL
1/2" = 1'-0"



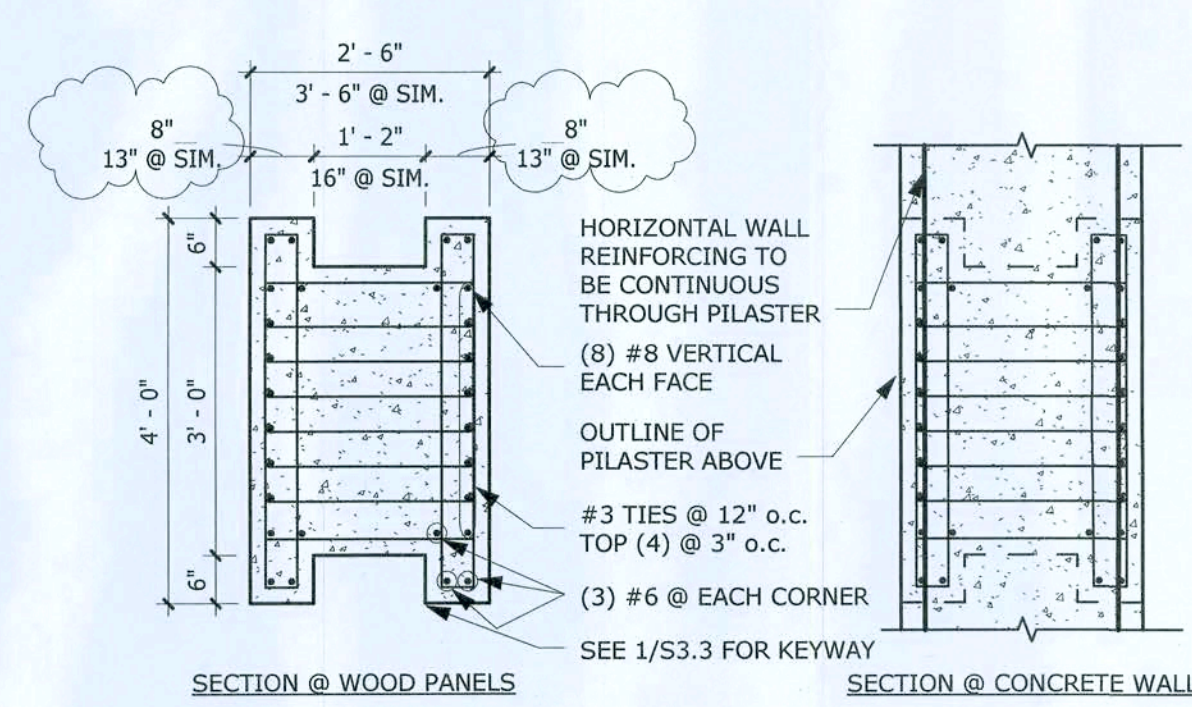
5 P5 - GRID D PILASTER DETAIL
1/2" = 1'-0"



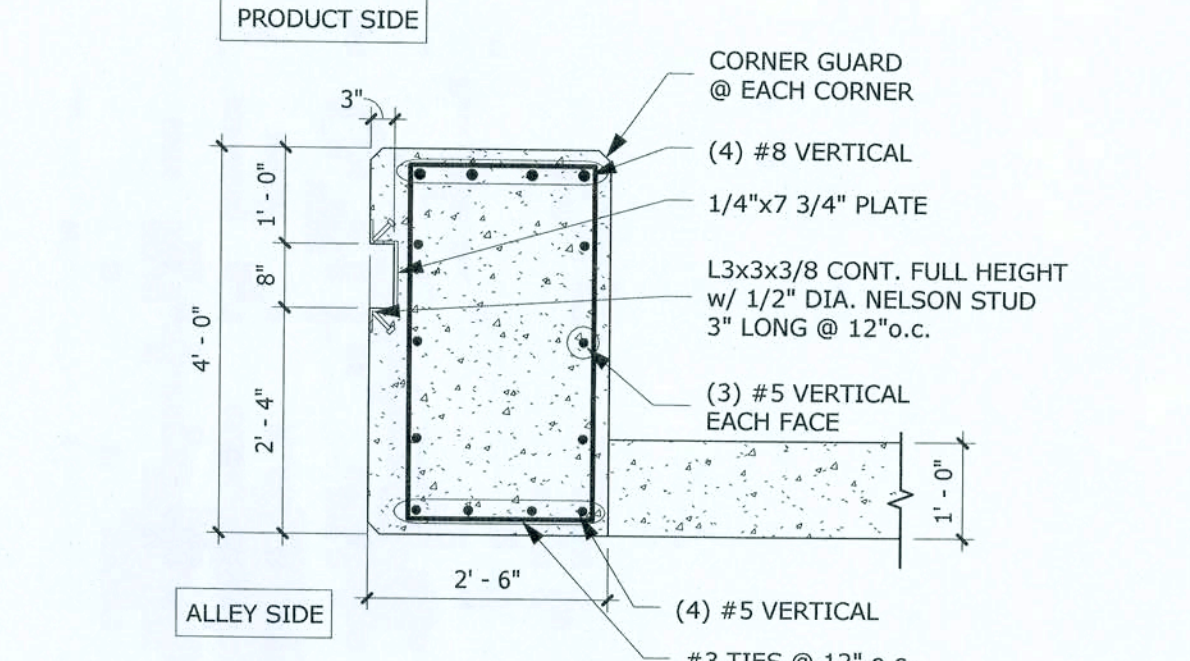
6 P6 - GRID E PILASTER DETAIL
1/2" = 1'-0"



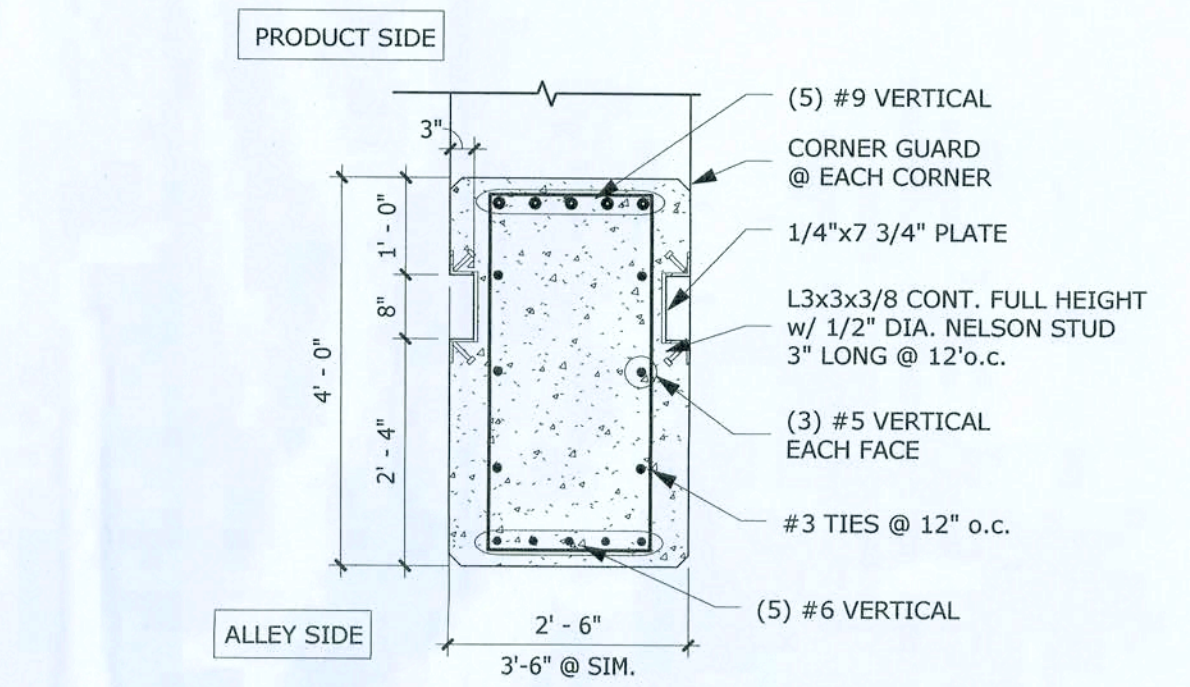
7 P7 - GRID F PILASTER DETAIL
1/2" = 1'-0"



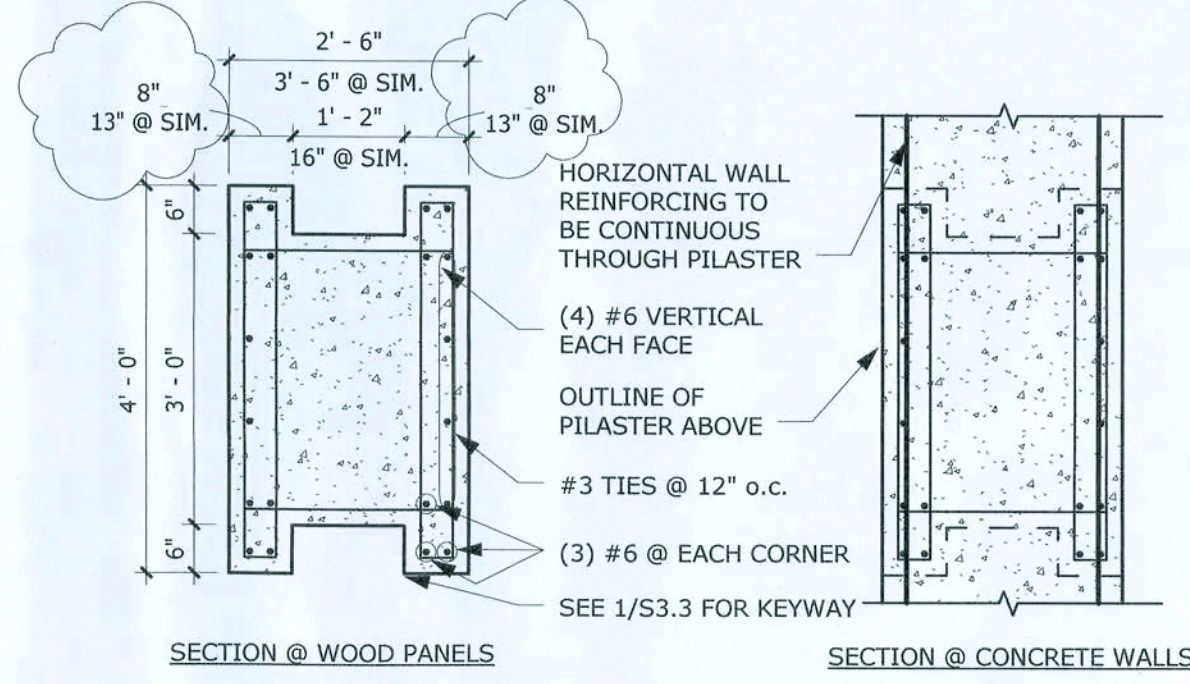
8 P8 - GRID G PILASTER DETAIL
1/2" = 1'-0"



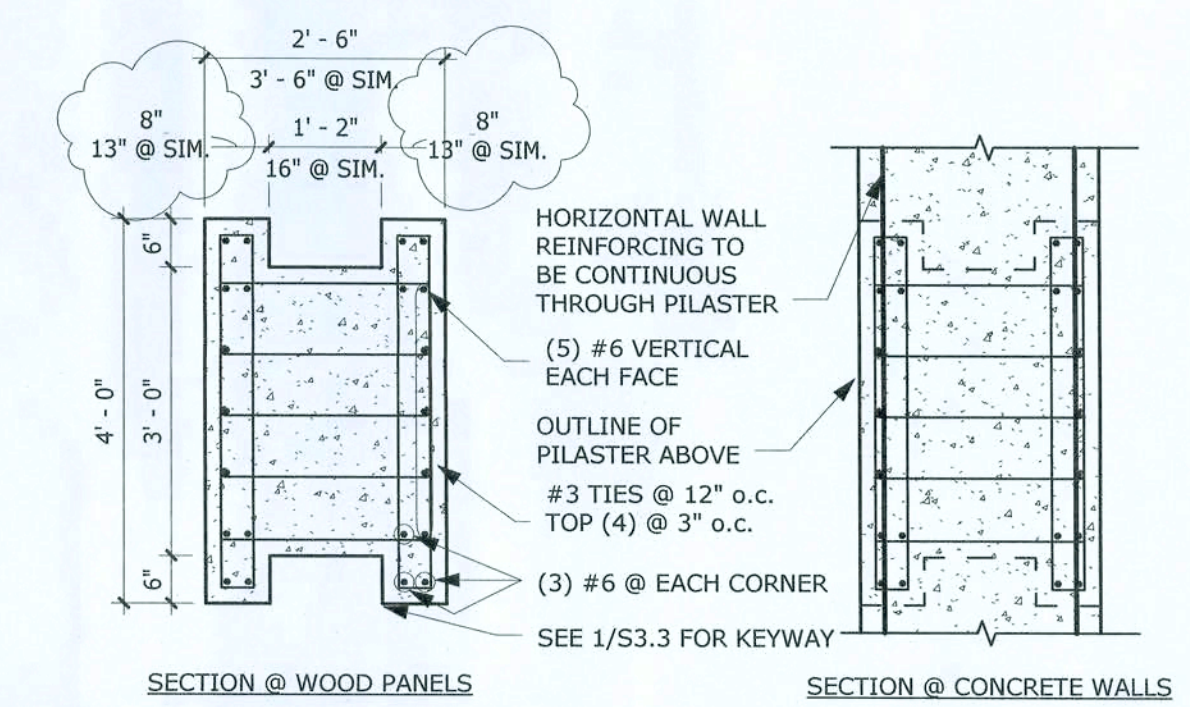
1 P1 - PILASTER DETAIL
1/2" = 1'-0"



2 P2 - PILASTER DETAIL
1/2" = 1'-0"



3 P3 - GRID B PILASTER DETAIL
1/2" = 1'-0"



4 P4 - GRID C PILASTER DETAIL
1/2" = 1'-0"

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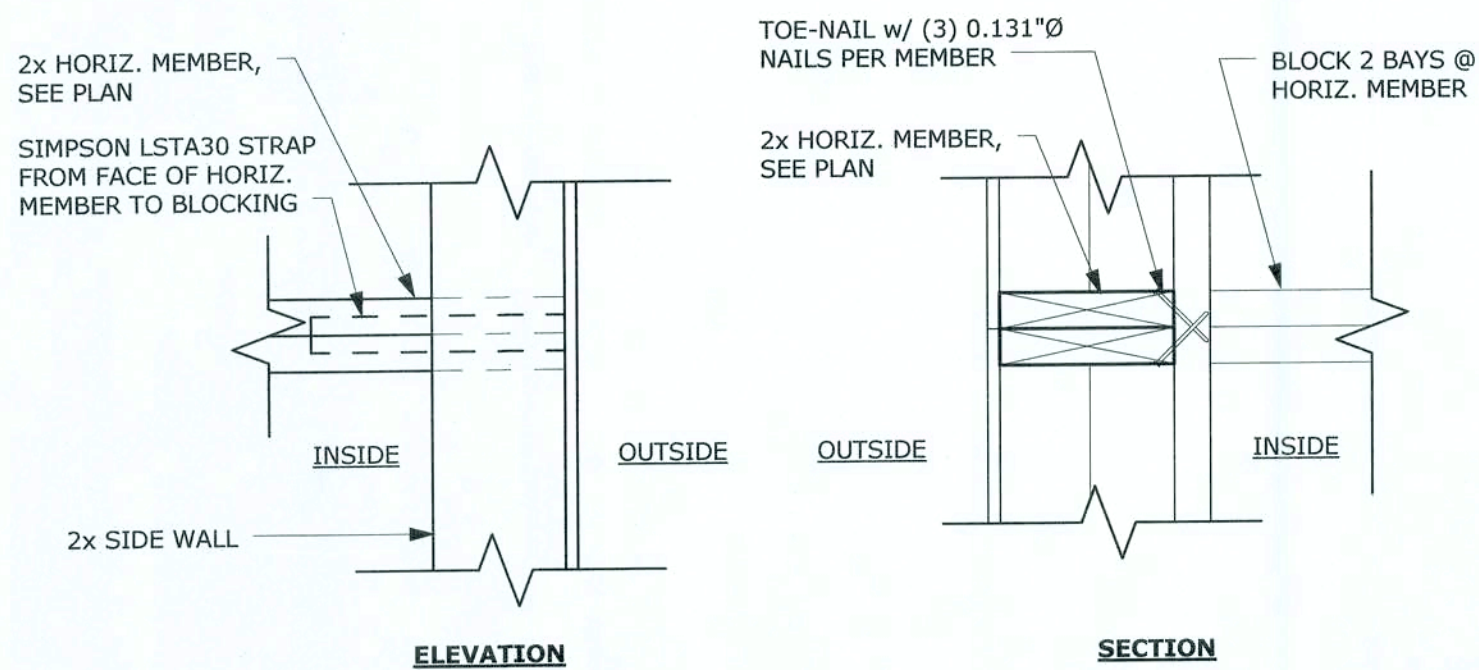
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PROFESSIONAL ENGINEER

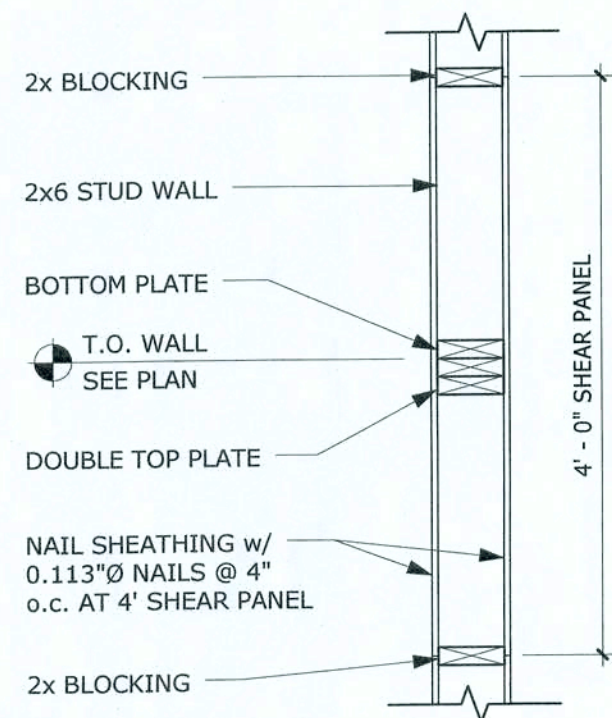
SHEET TITLE:	PIERS, SECTIONS AND DETAILS
PROJECT #:	15-01
DATE:	2/12/2016
DRAWN BY:	CAF

NO.	REVISIONS/ISSUE	DATE
1	PERMIT SET	Date 2

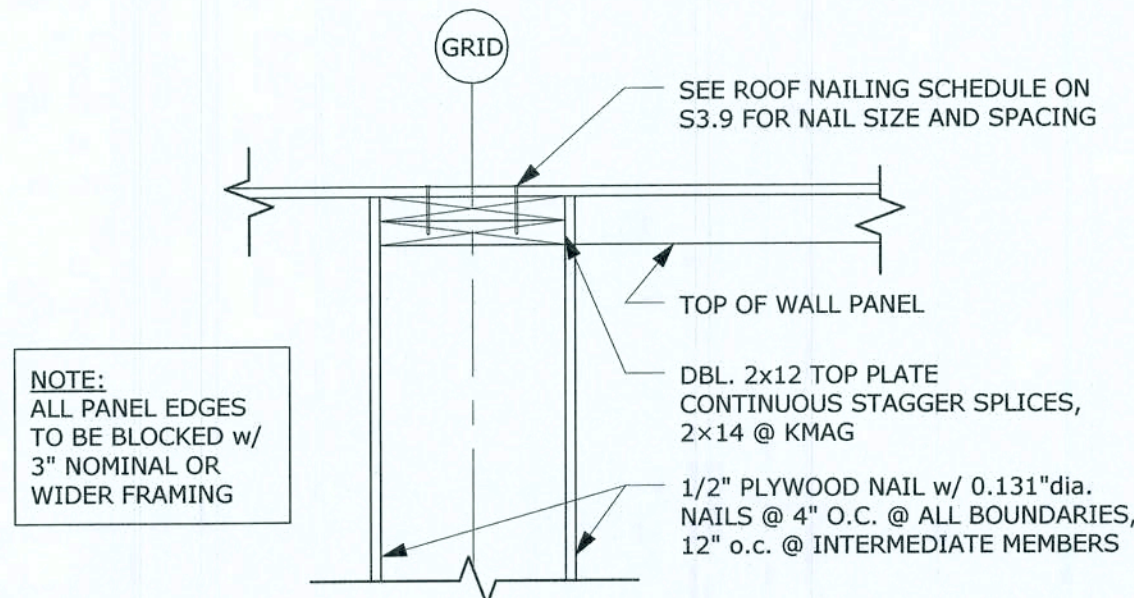
MAYO PLANT FOOD BUILDING
LAKE CITY, FLORIDA



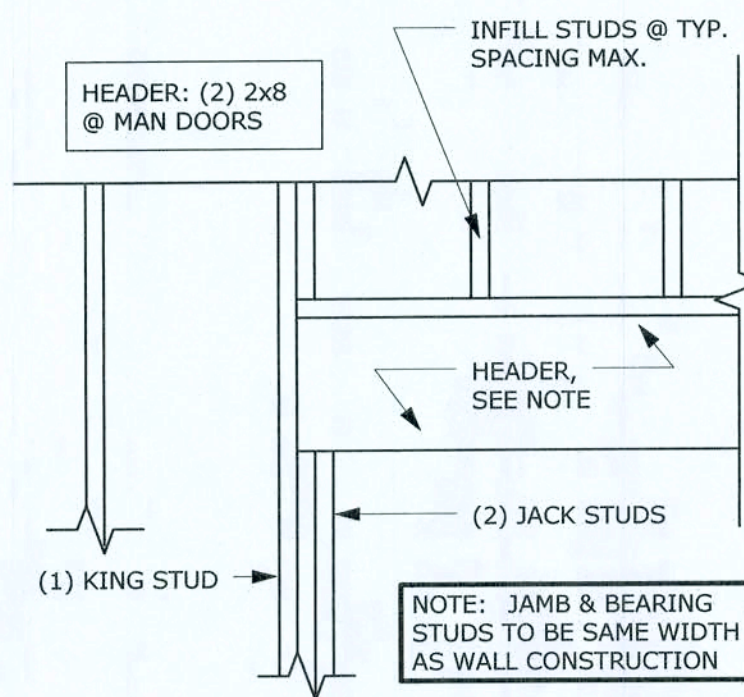
9 HORIZONTAL MEMBER TYPICAL END CONNECTION
1 1/2" = 1'-0"



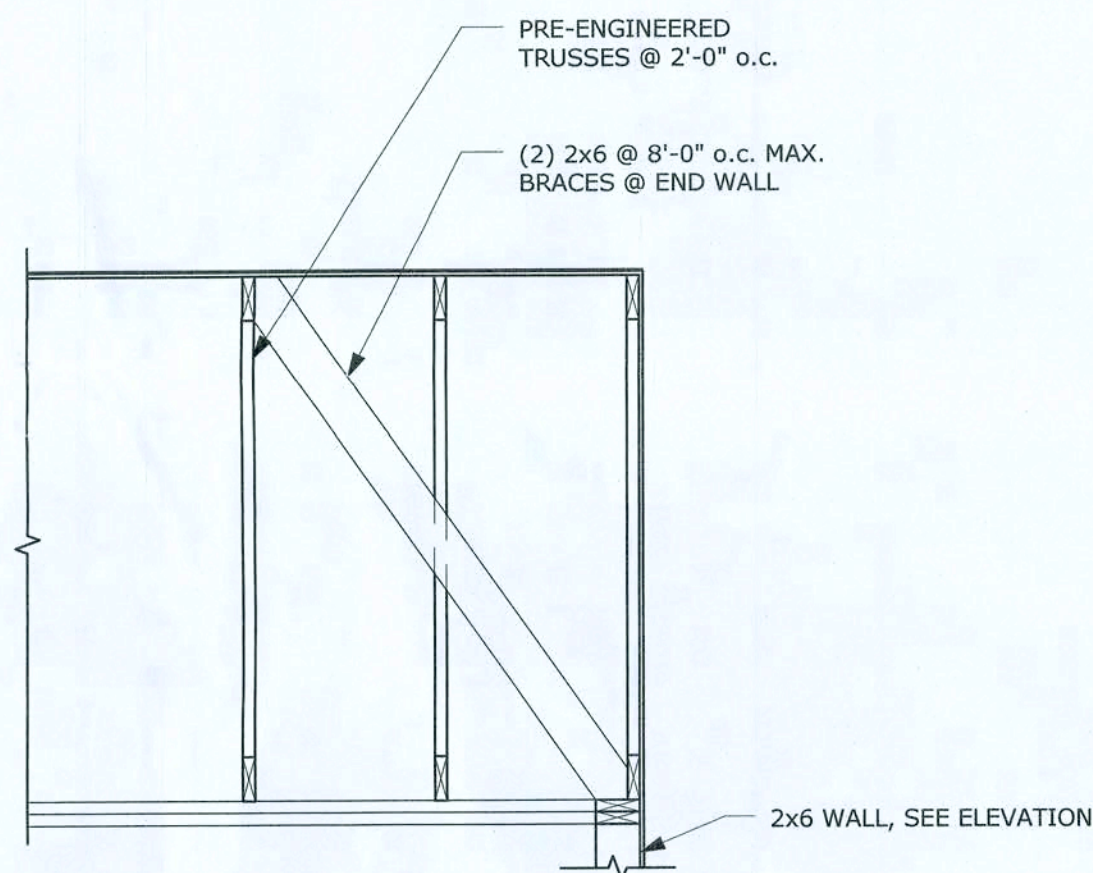
1c TYPICAL BREAK IN STUD WALL
3/4" = 1'-0"



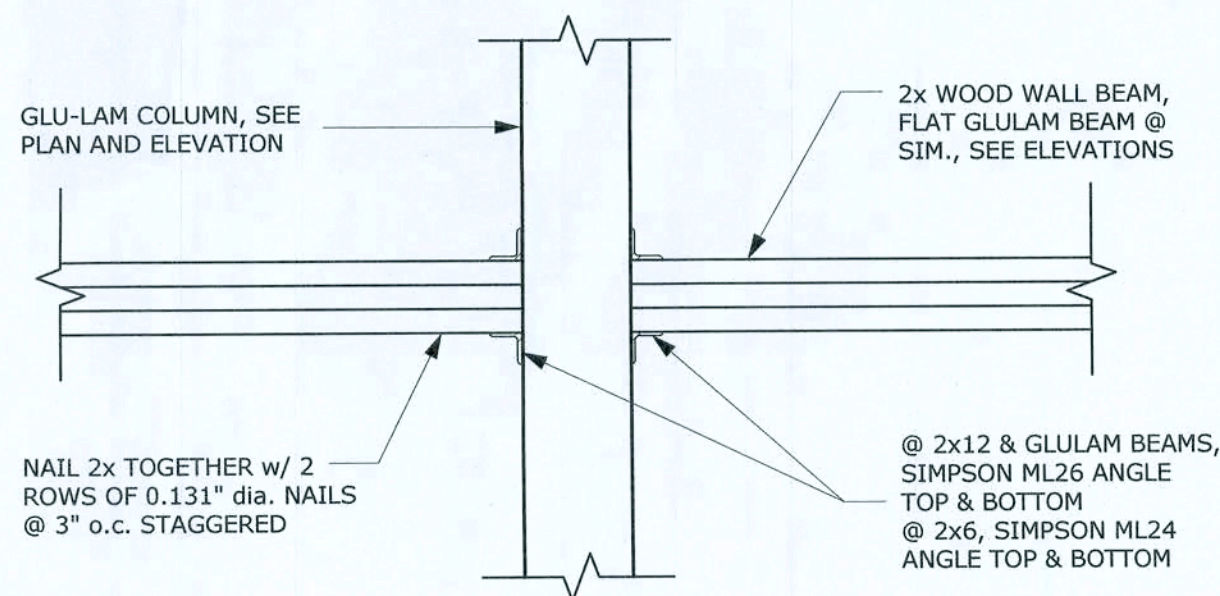
55 TOP OF WALL @ SHEAR WALL
1" = 1'-0"



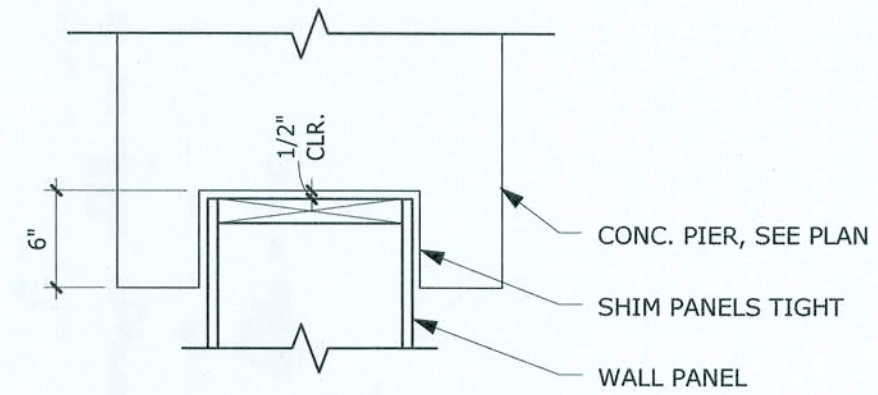
65 TYPICAL HEADER FRAMING
3/4" = 1'-0"



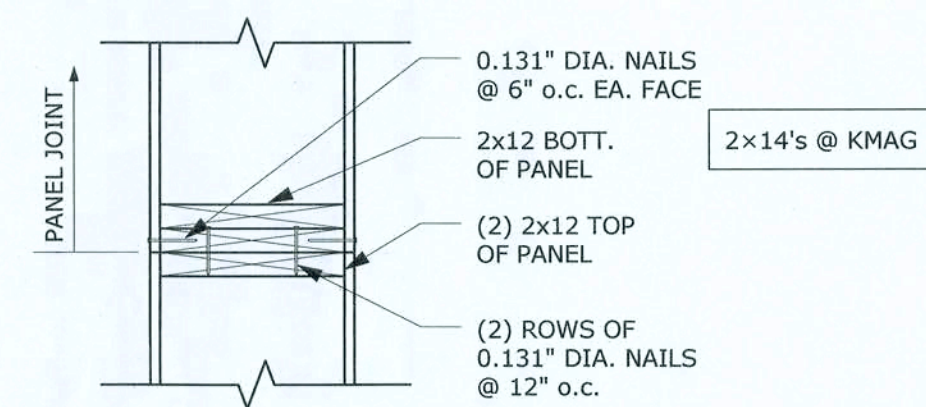
77 END TRUSS BLOCKING DETAIL
1/2" = 1'-0"



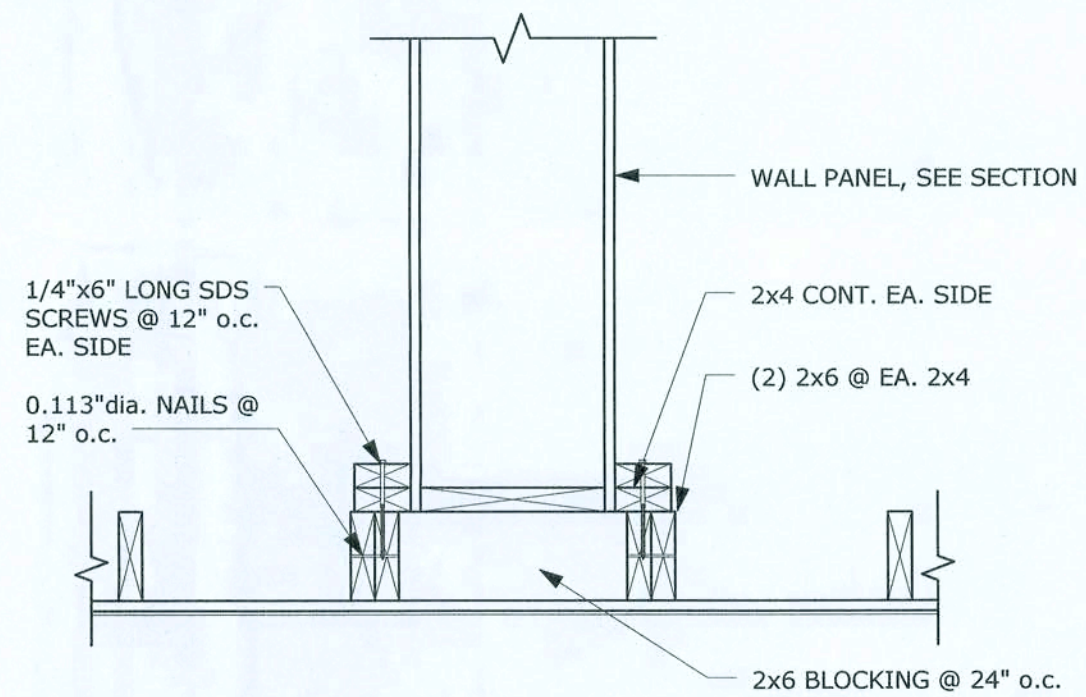
8 CONNECTION @ EXTERIOR WALL
1" = 1'-0"



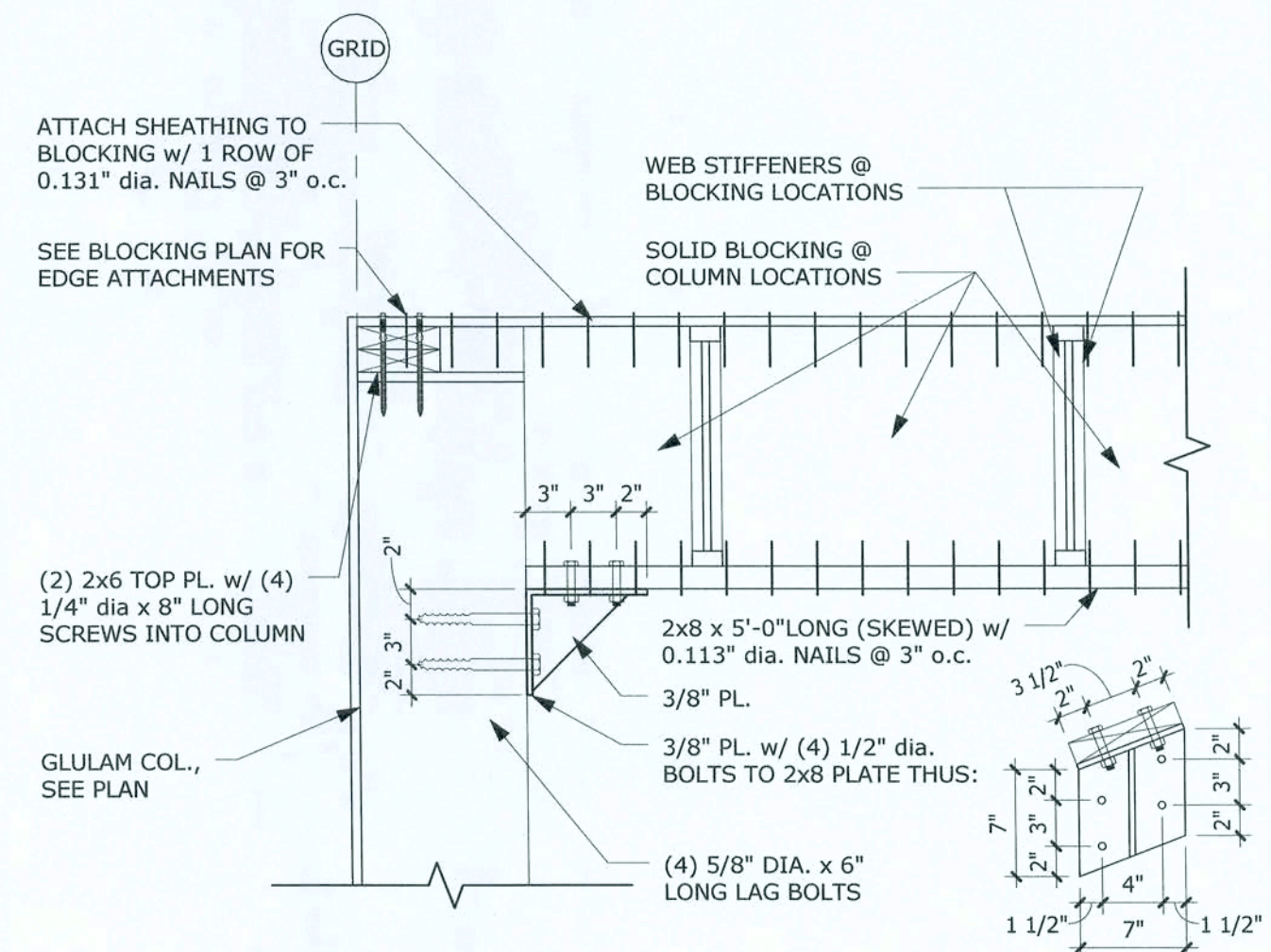
1 DETAIL
1" = 1'-0"



2 DETAIL OF PANEL CONN.
1" = 1'-0"



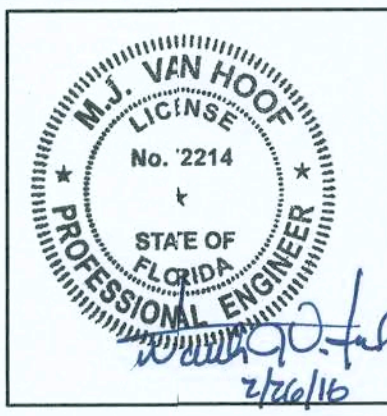
3 DETAIL
1" = 1'-0"



4 TOP SUPPORT COLUMNS @ EXTERIOR WALLS
1" = 1'-0"

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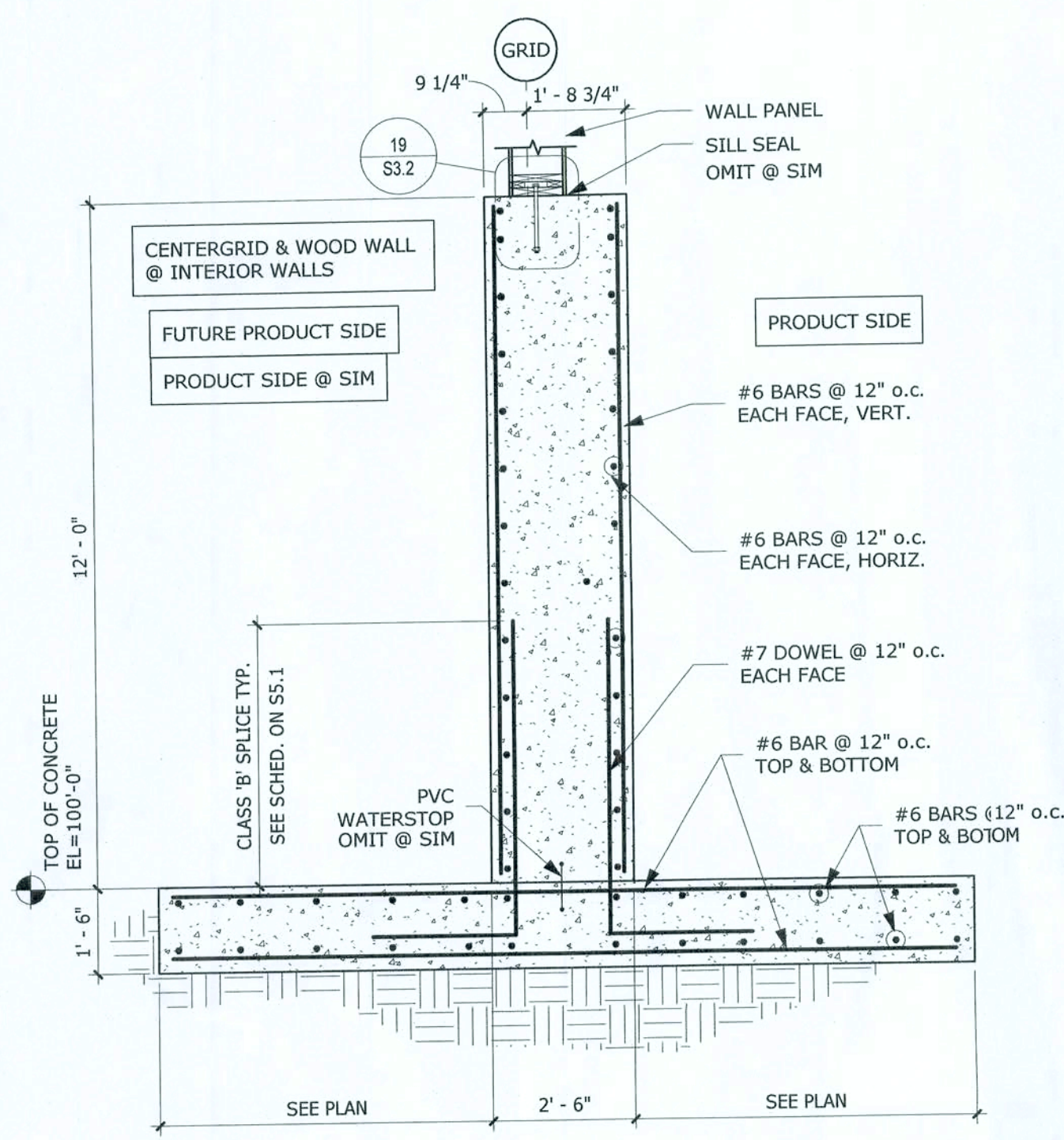


SHEET TITLE:	FRAMING SECTIONS AND DETAILS
PROJECT #:	15421
DATE:	2/12/2016
DRAWN BY:	DAJ

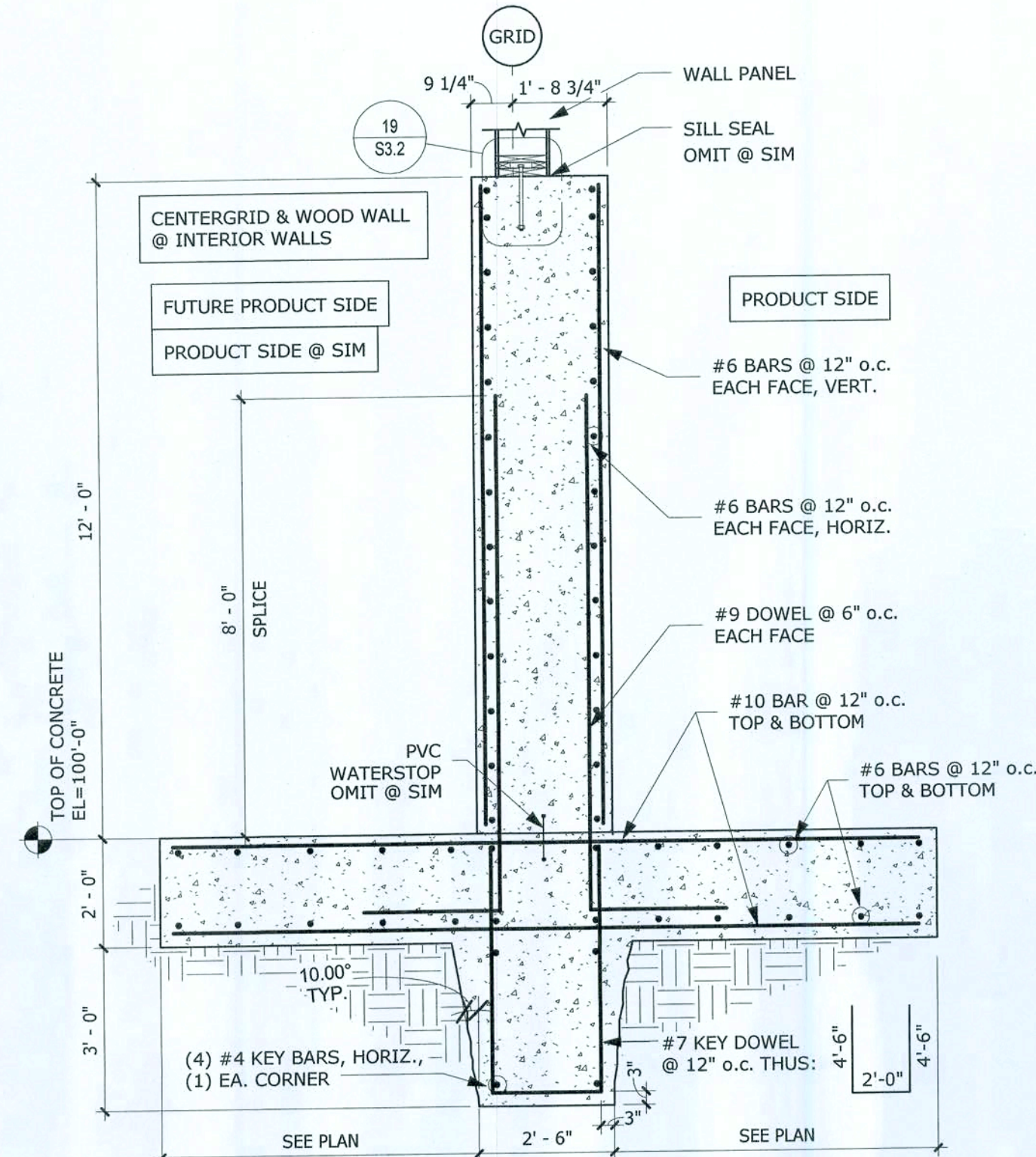
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MAYO PLANT FOOD BUILDING
LAKE CITY, FLORIDA

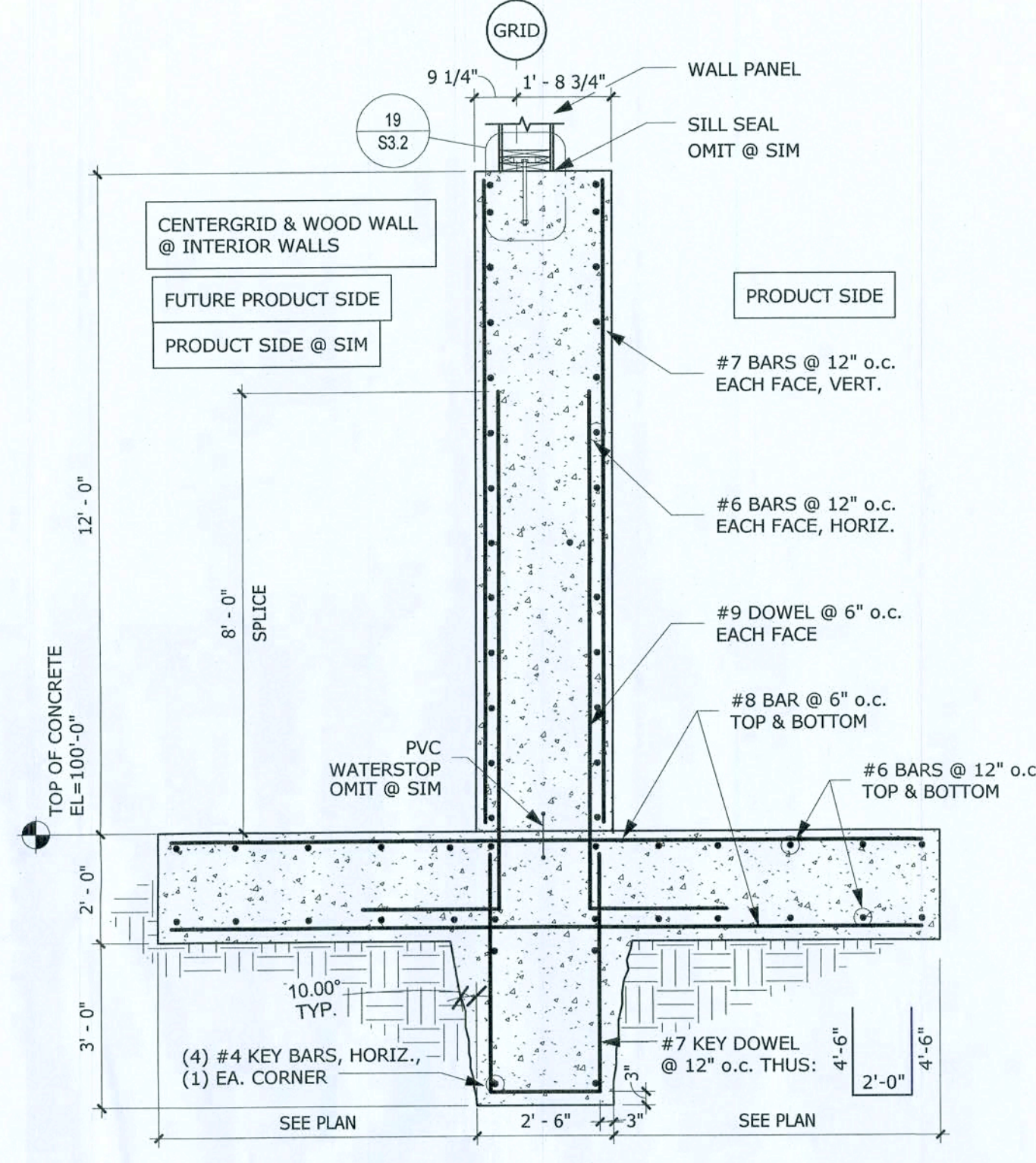
S3.3



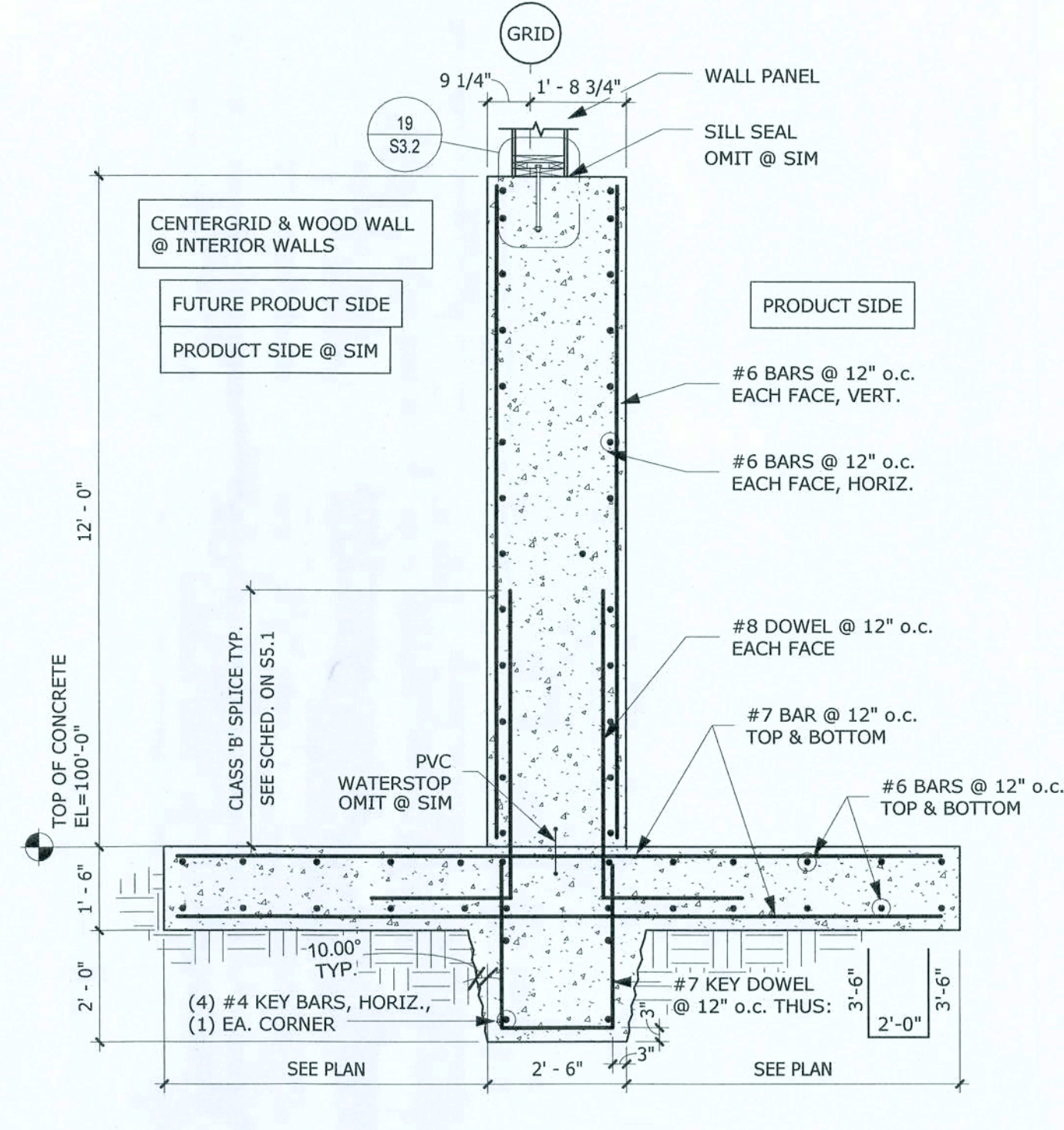
7 GRID B WALL SECTION
3/8" = 1'-0"



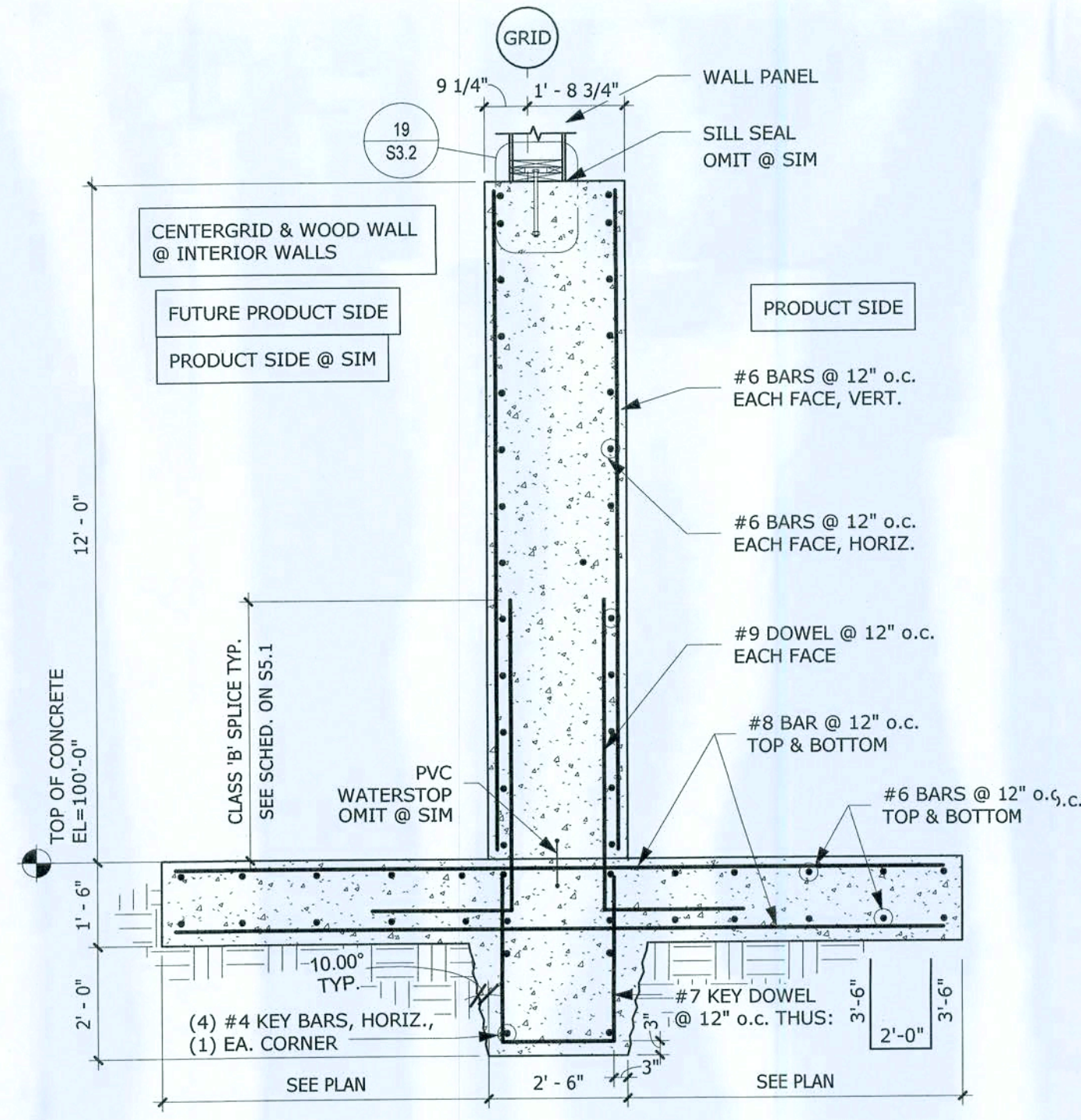
5 GRID D WALL SECTION
3/8" = 1'-0"



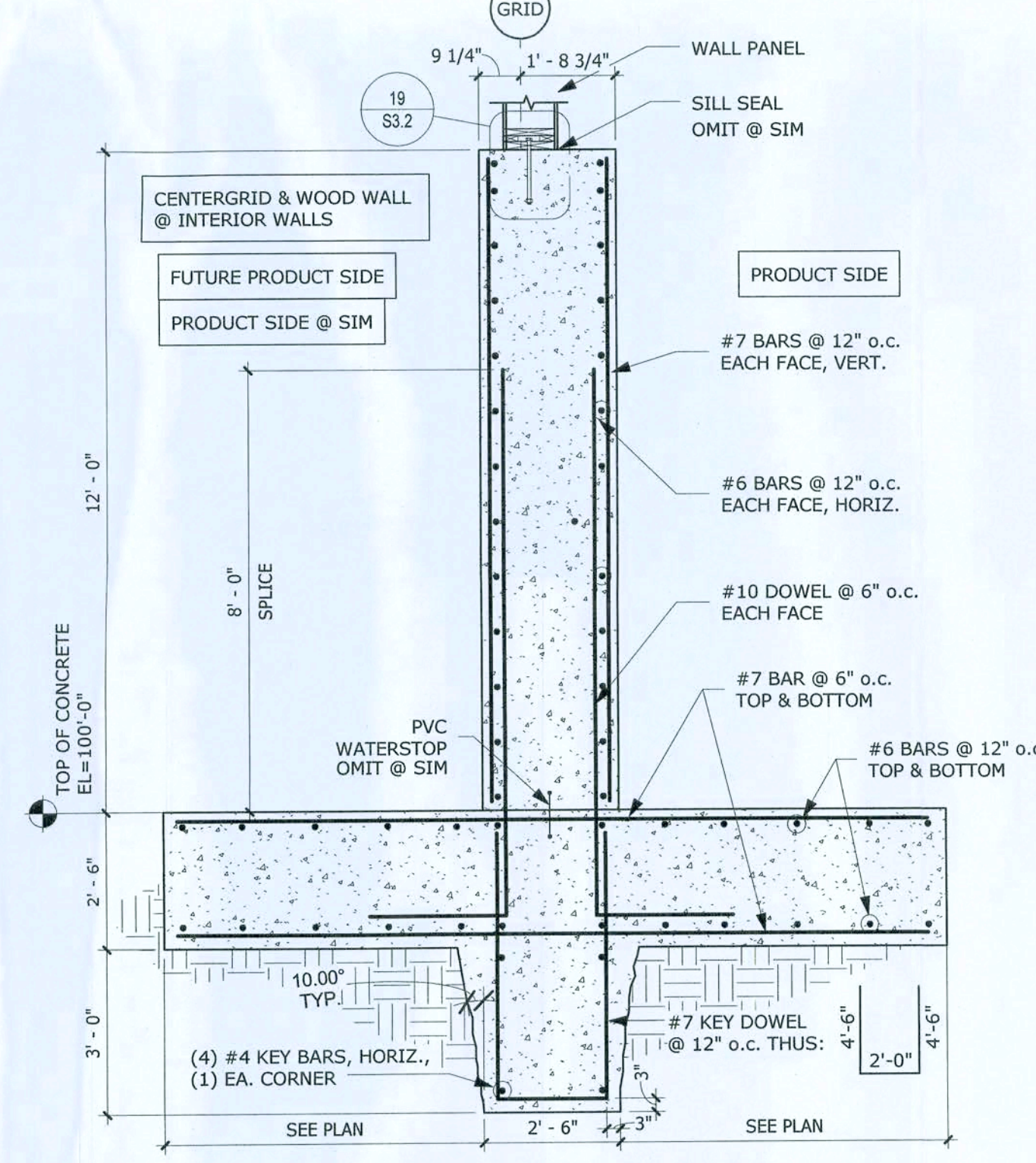
3 GRID F WALL SECTION
3/8" = 1'-0"



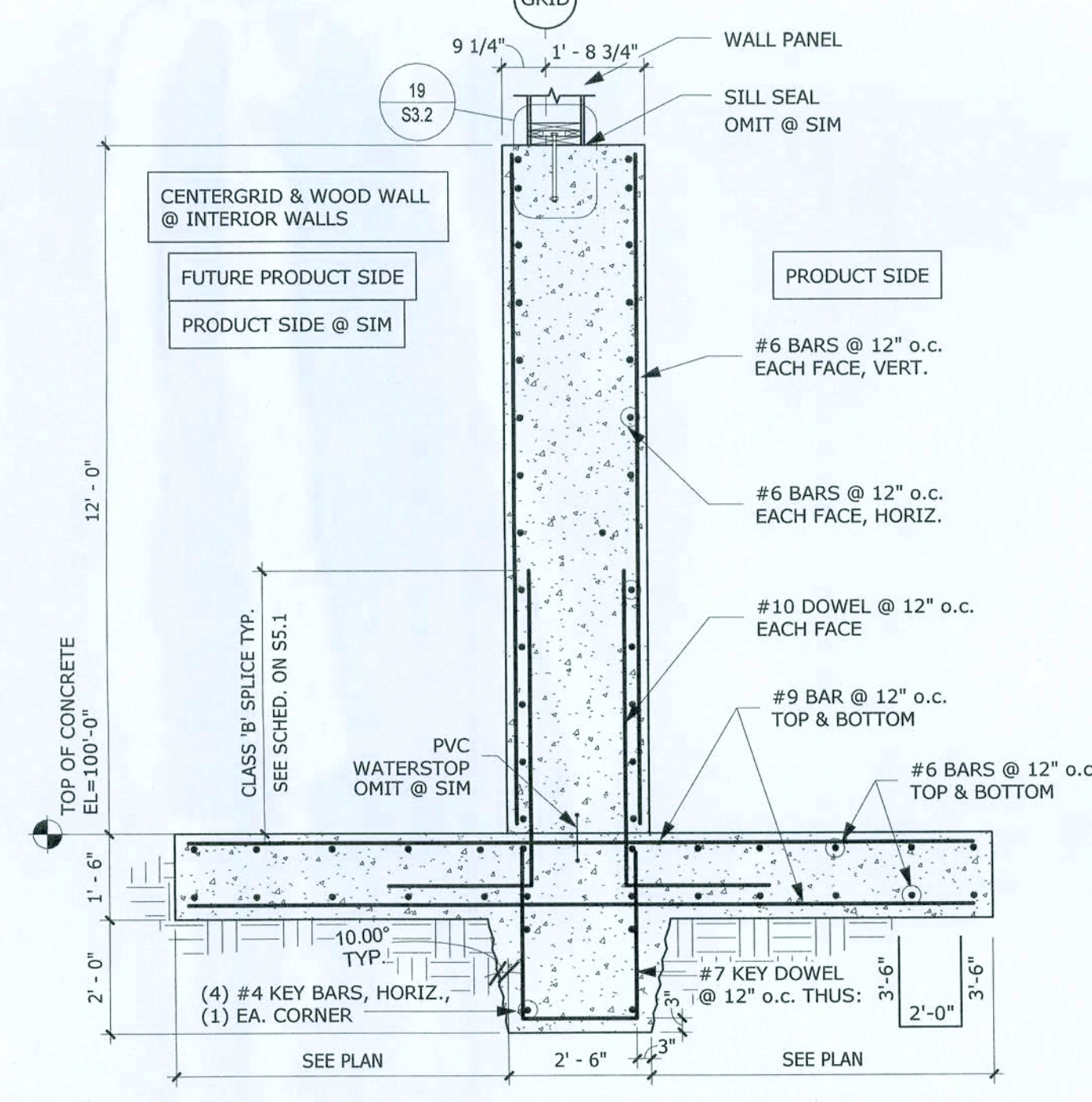
1 GRID H WALL SECTION
3/8" = 1'-0"



6 GRID C WALL SECTION
3/8" = 1'-0"



4 GRID E WALL SECTION
3/8" = 1'-0"



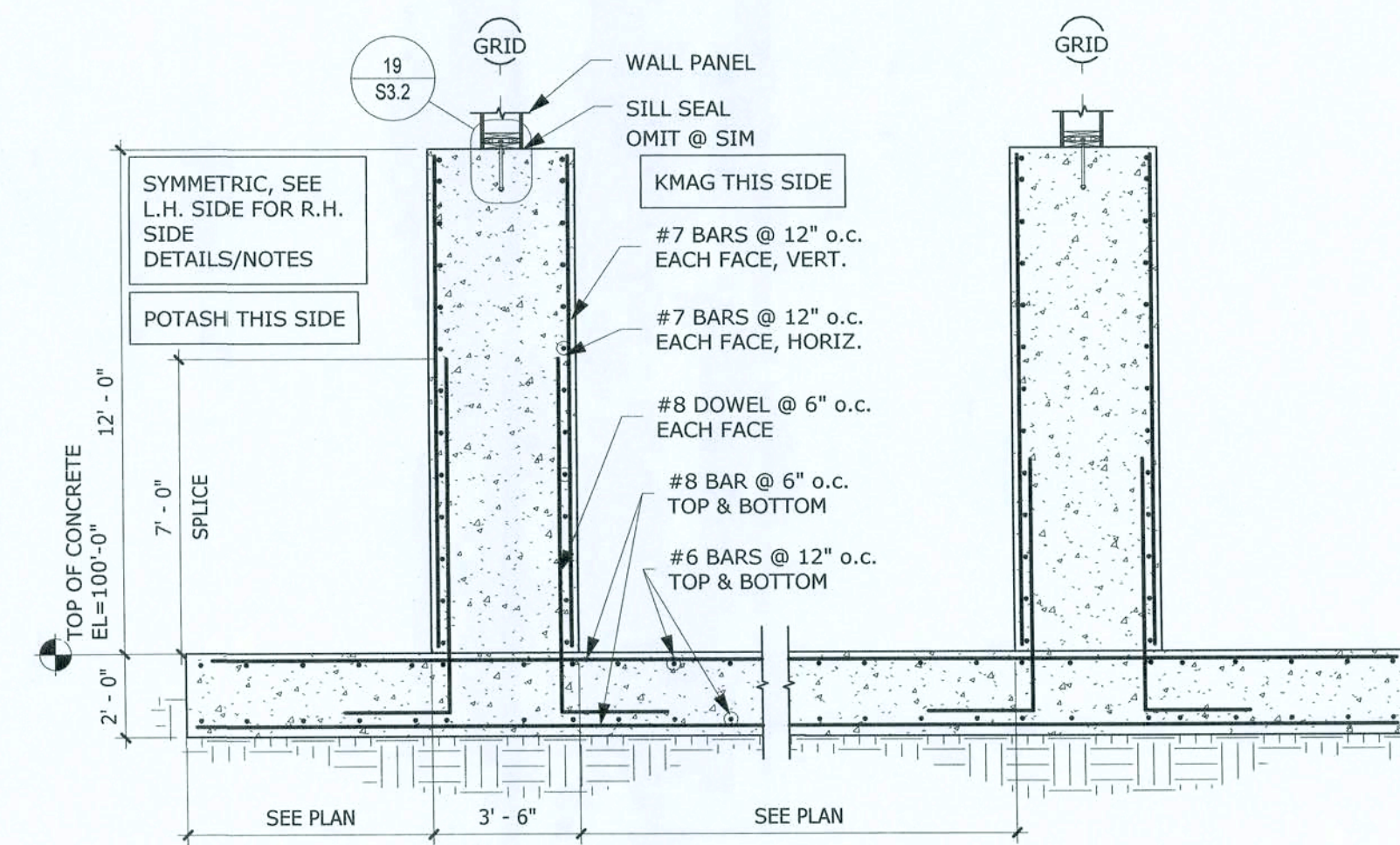
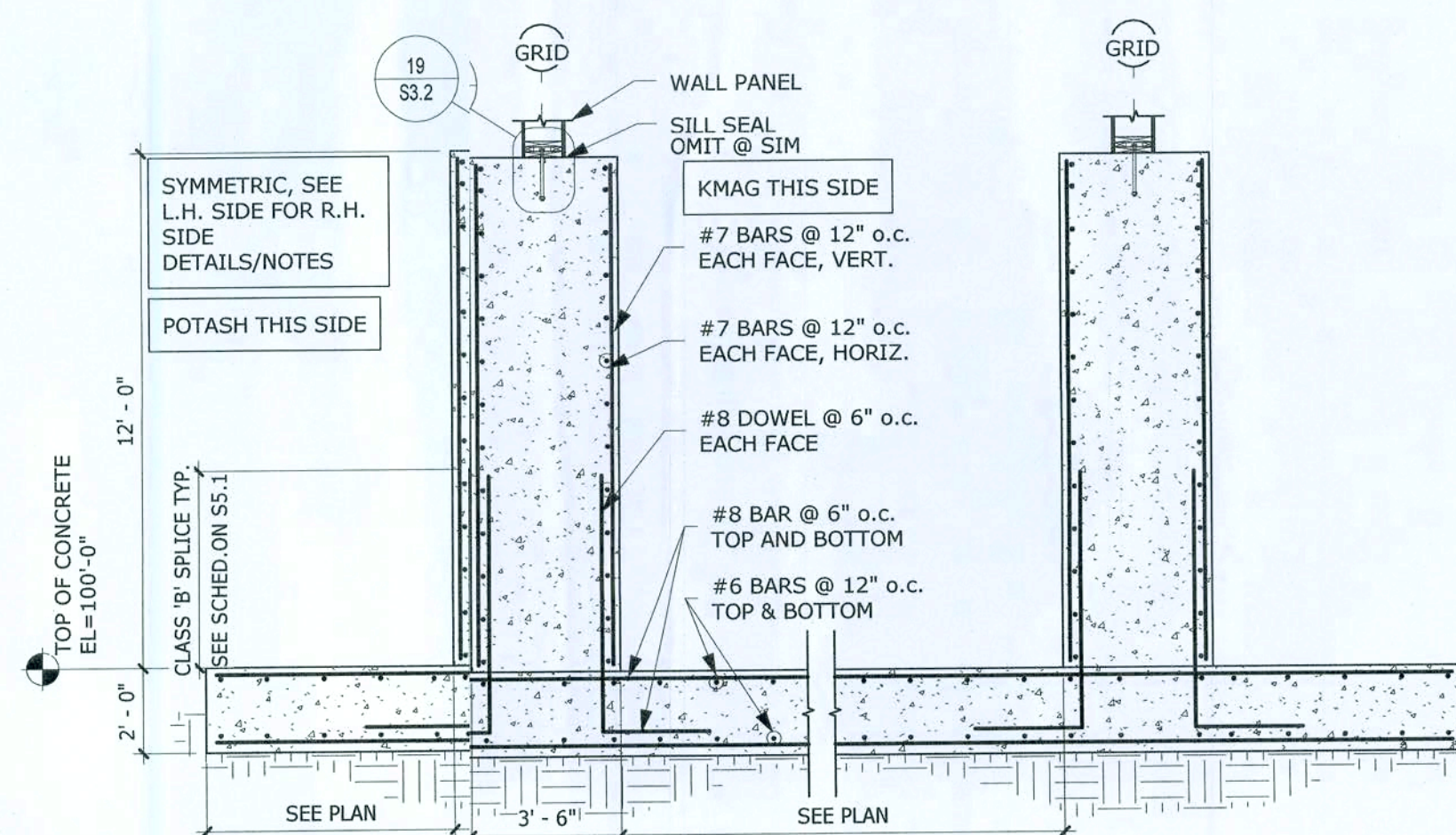
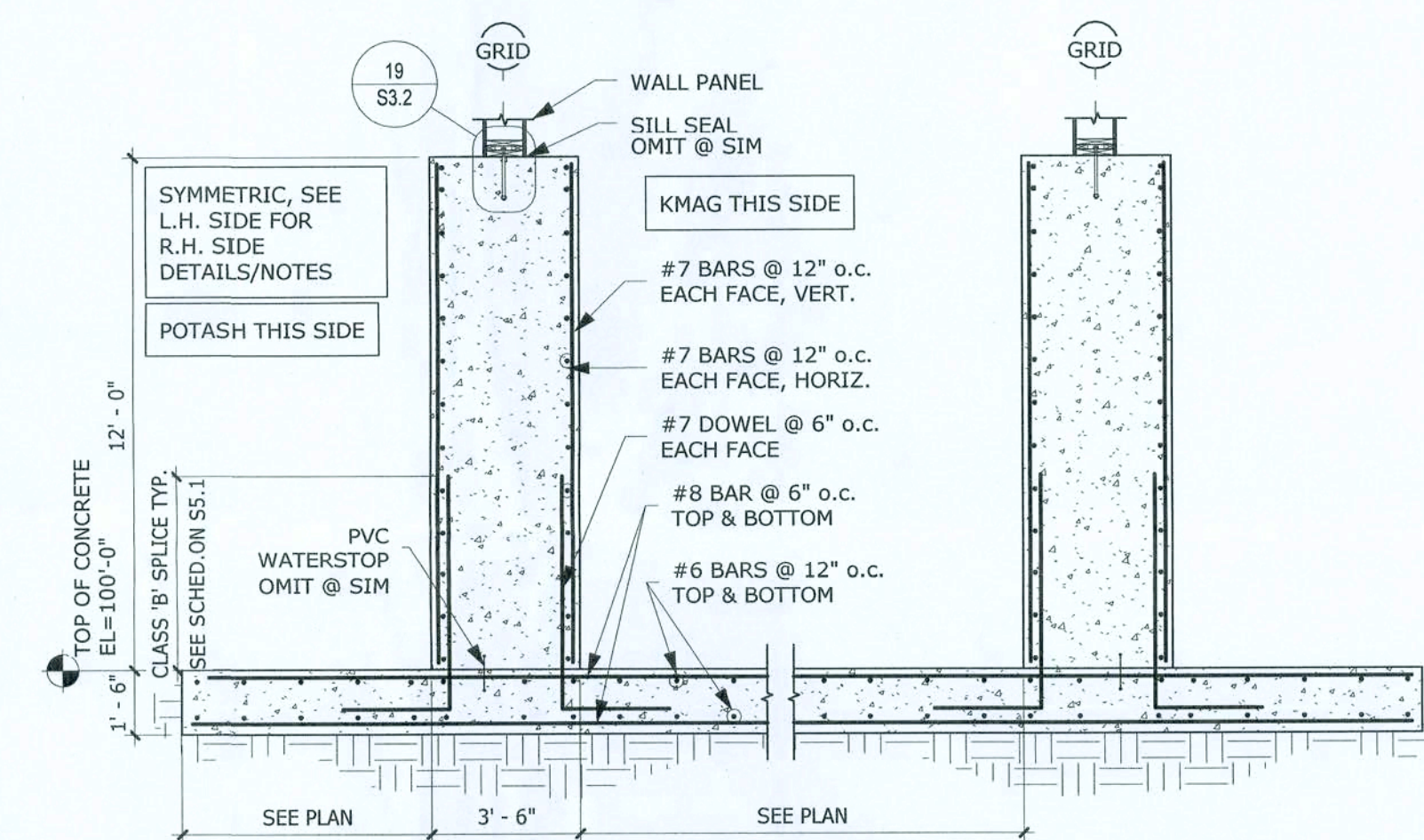
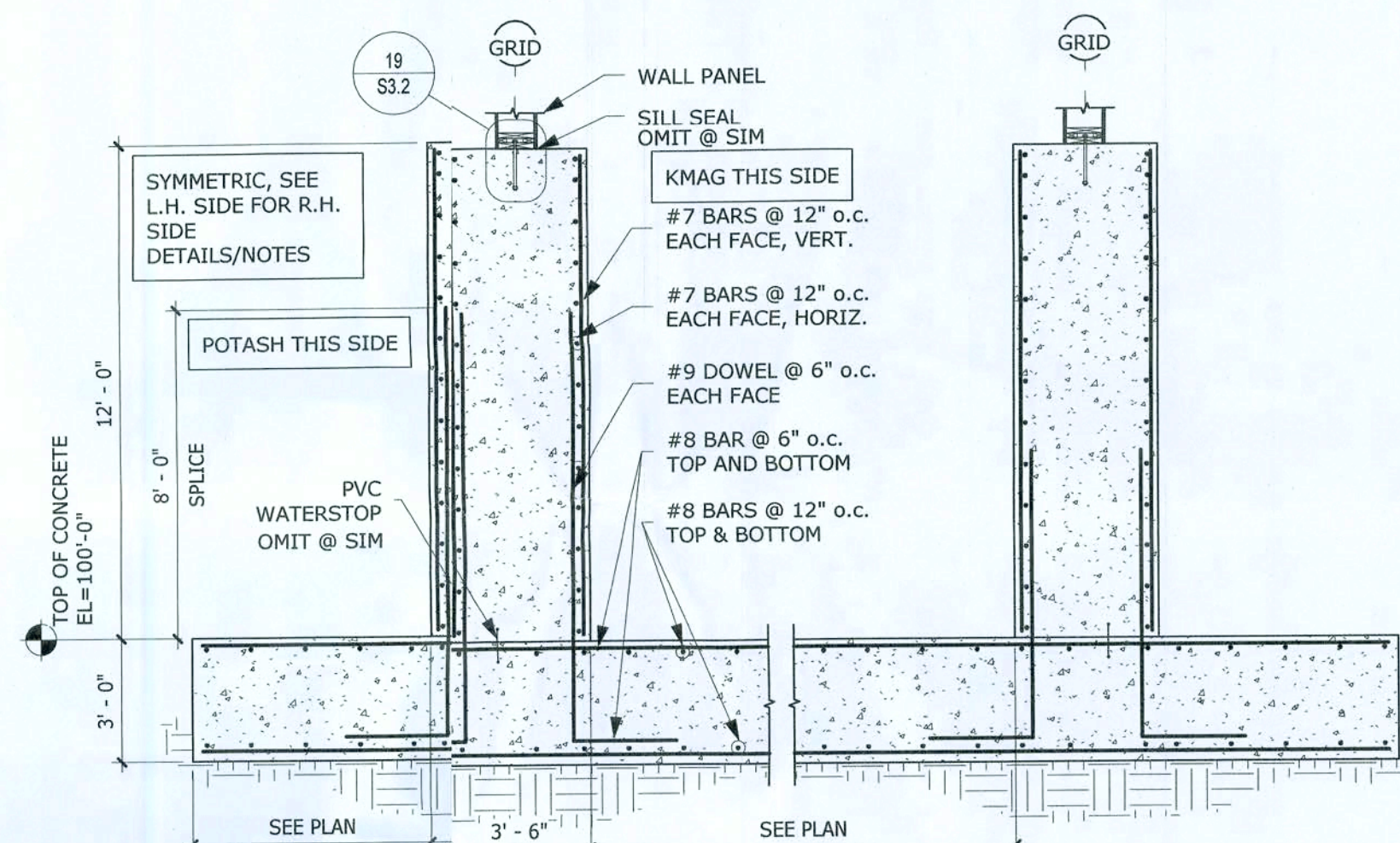
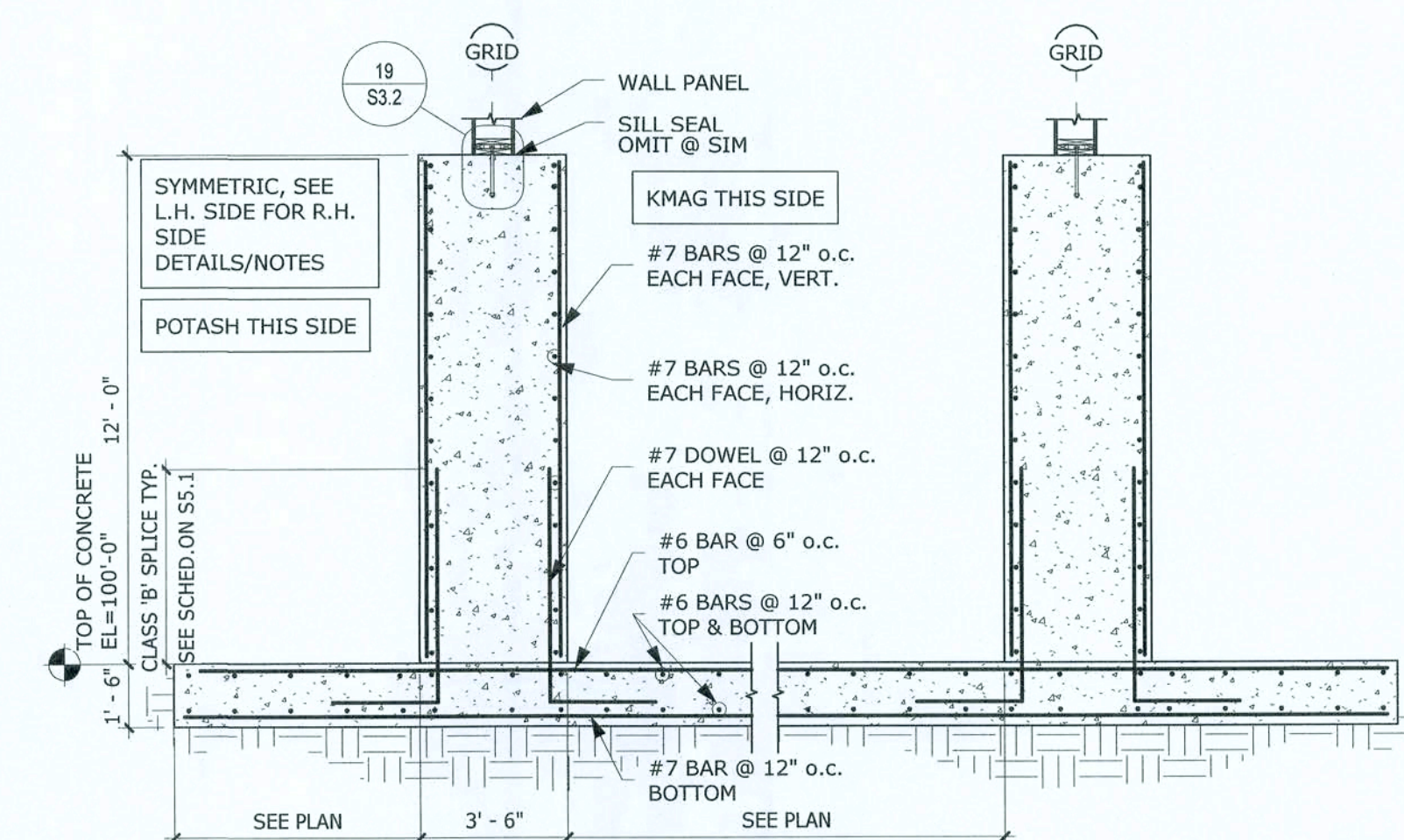
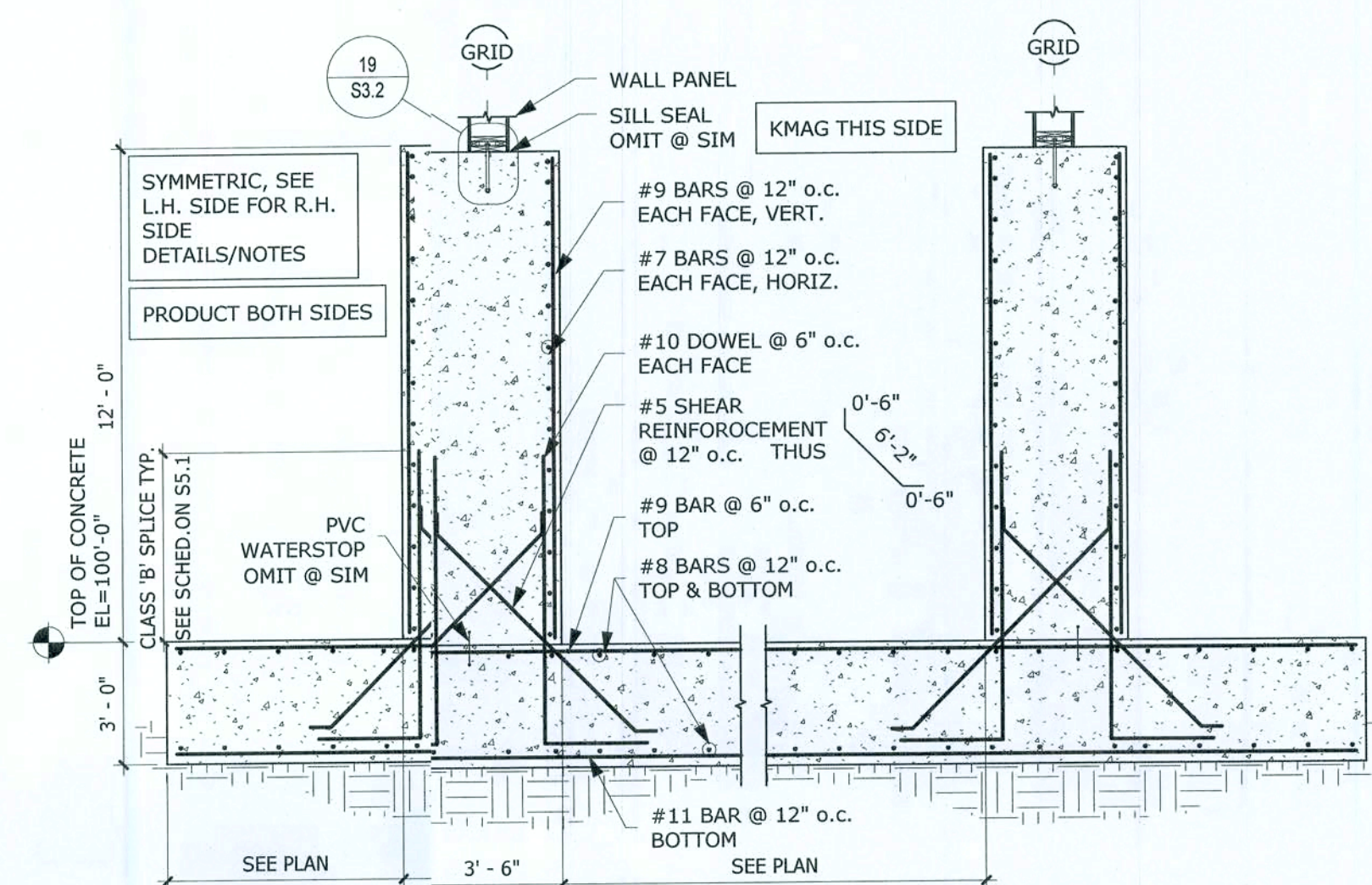
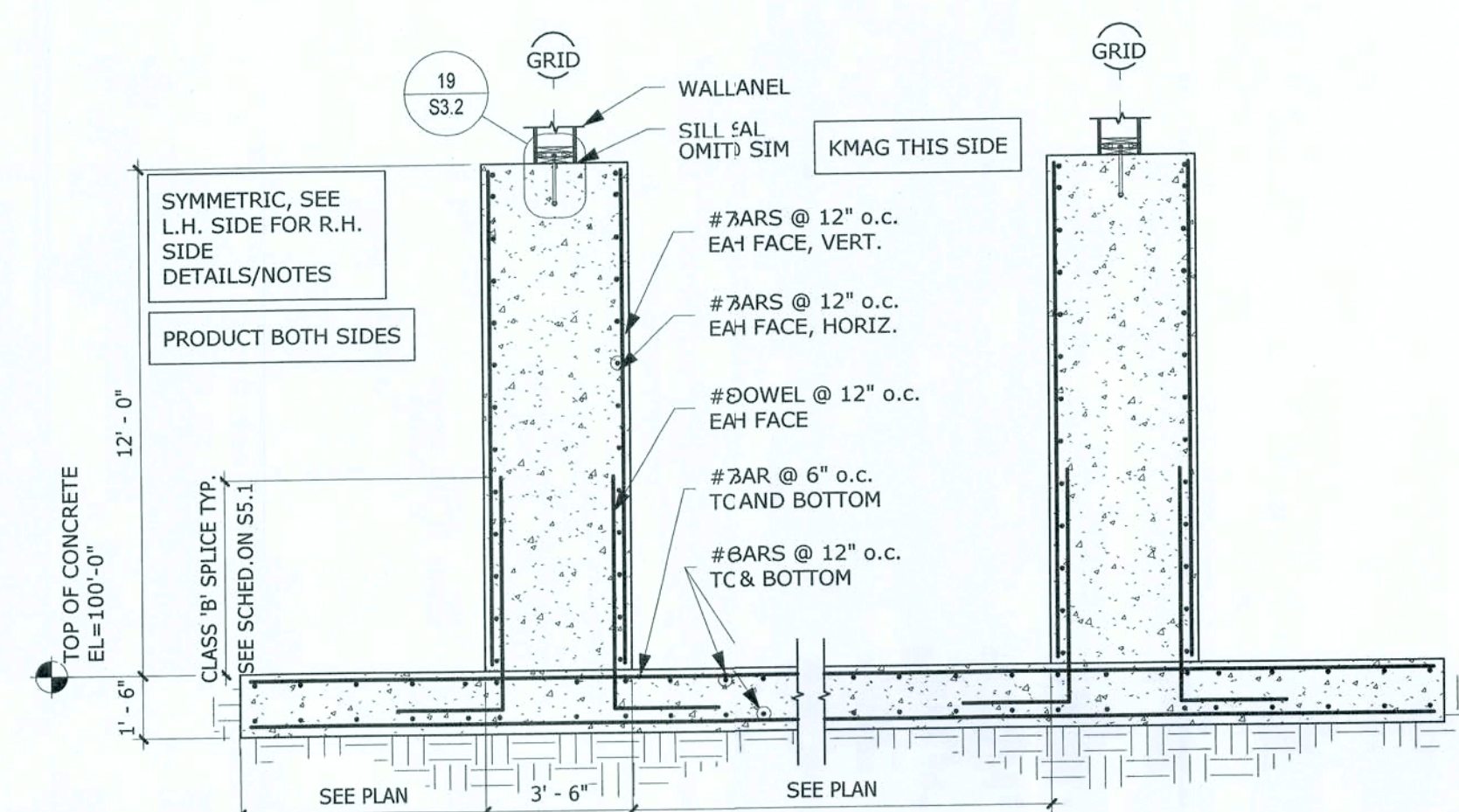
2 GRID G WALL SECTION
3/8" = 1'-0"

SHEET TITLE:	WALL SECTIONS
PROJECT #:	15431
DATE:	2/12/2016
DRAWN BY:	CAF

NO.	REVISIONS/ISSUE	DATE

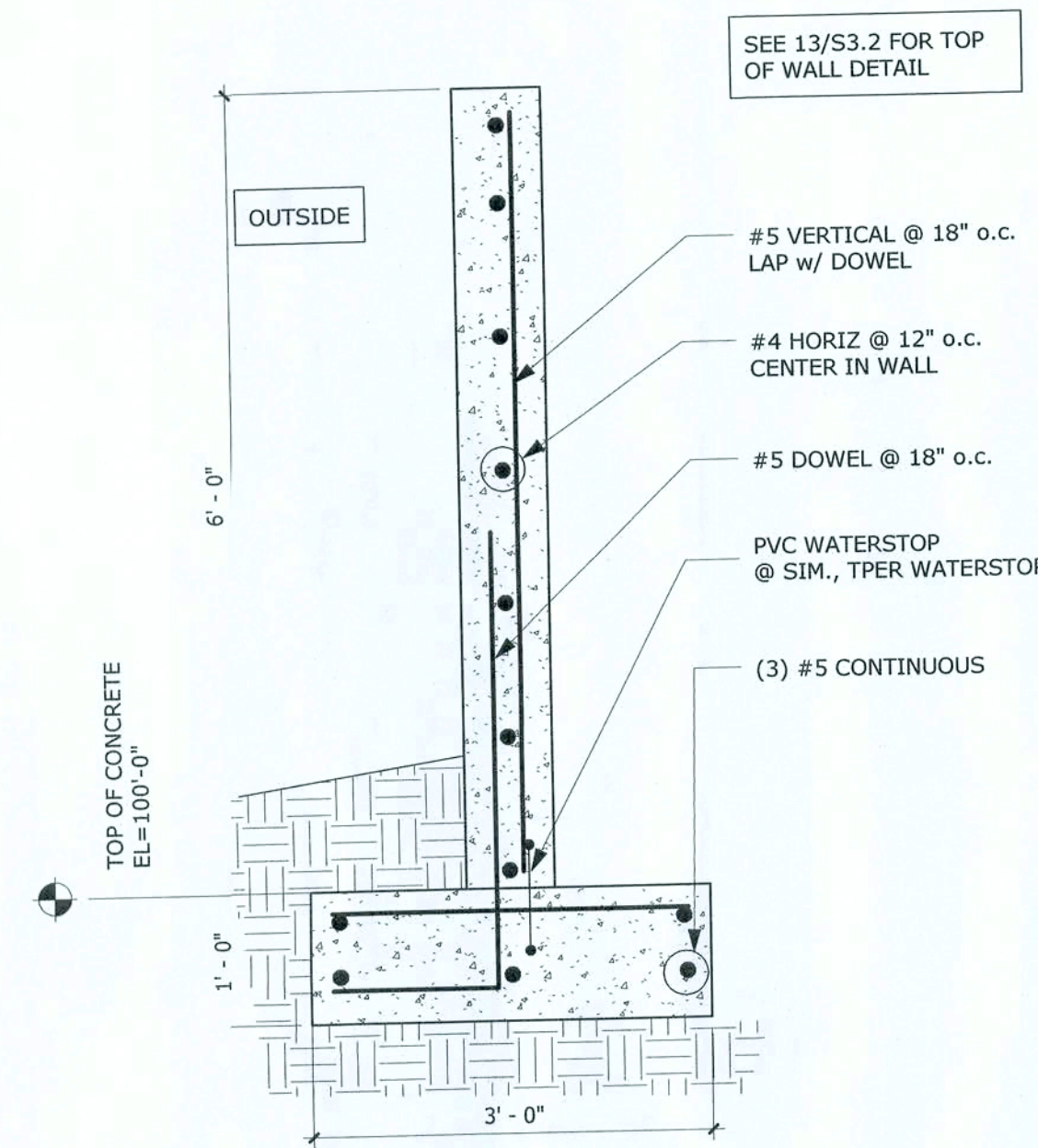
MAYO PLANT FOOD BUILDING
LAKE CITY, FLORIDA

S3.4

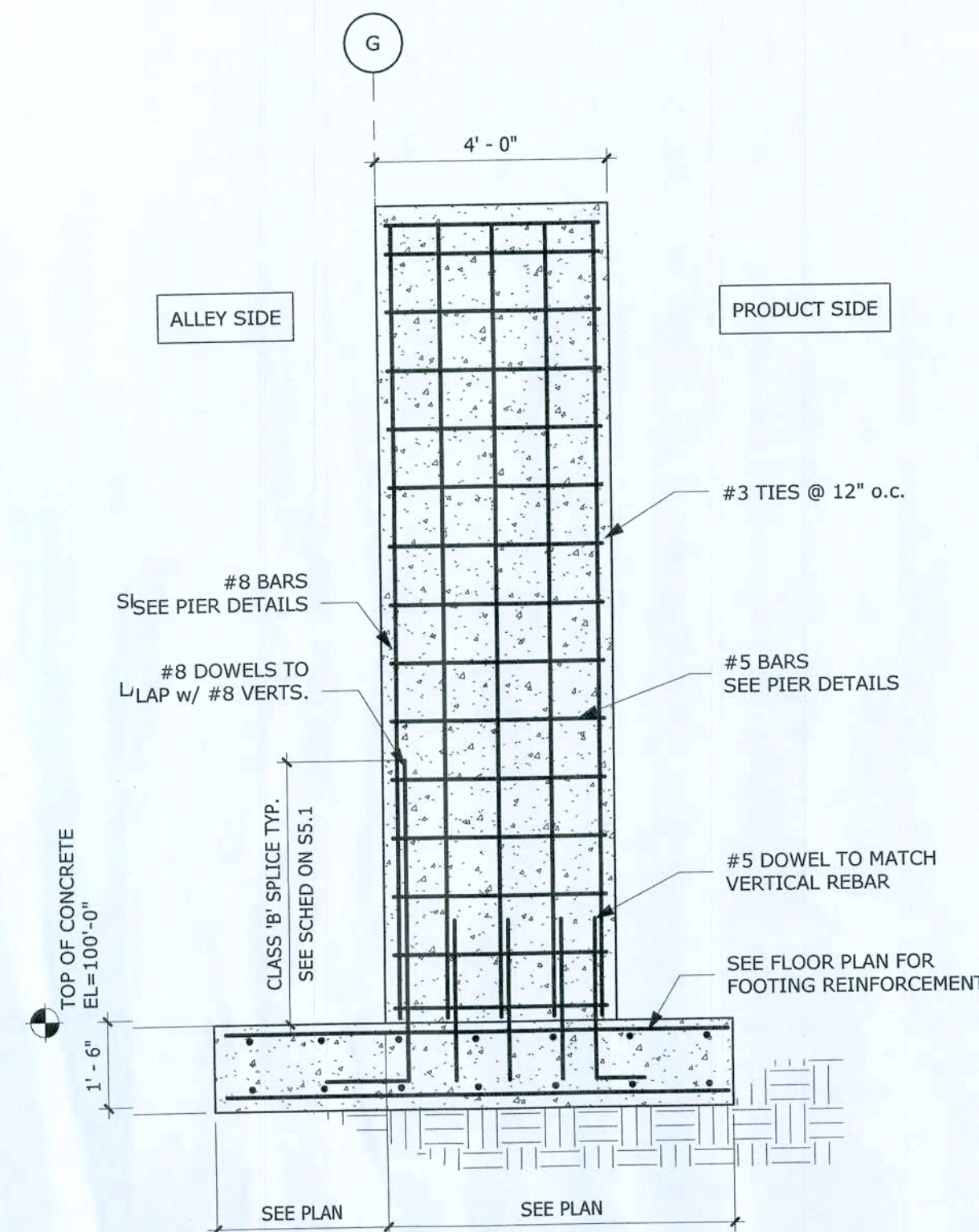


SHEET TITLE:	WALL SECTIONS
PROJECT #:	15431
DATE:	2/12/2016
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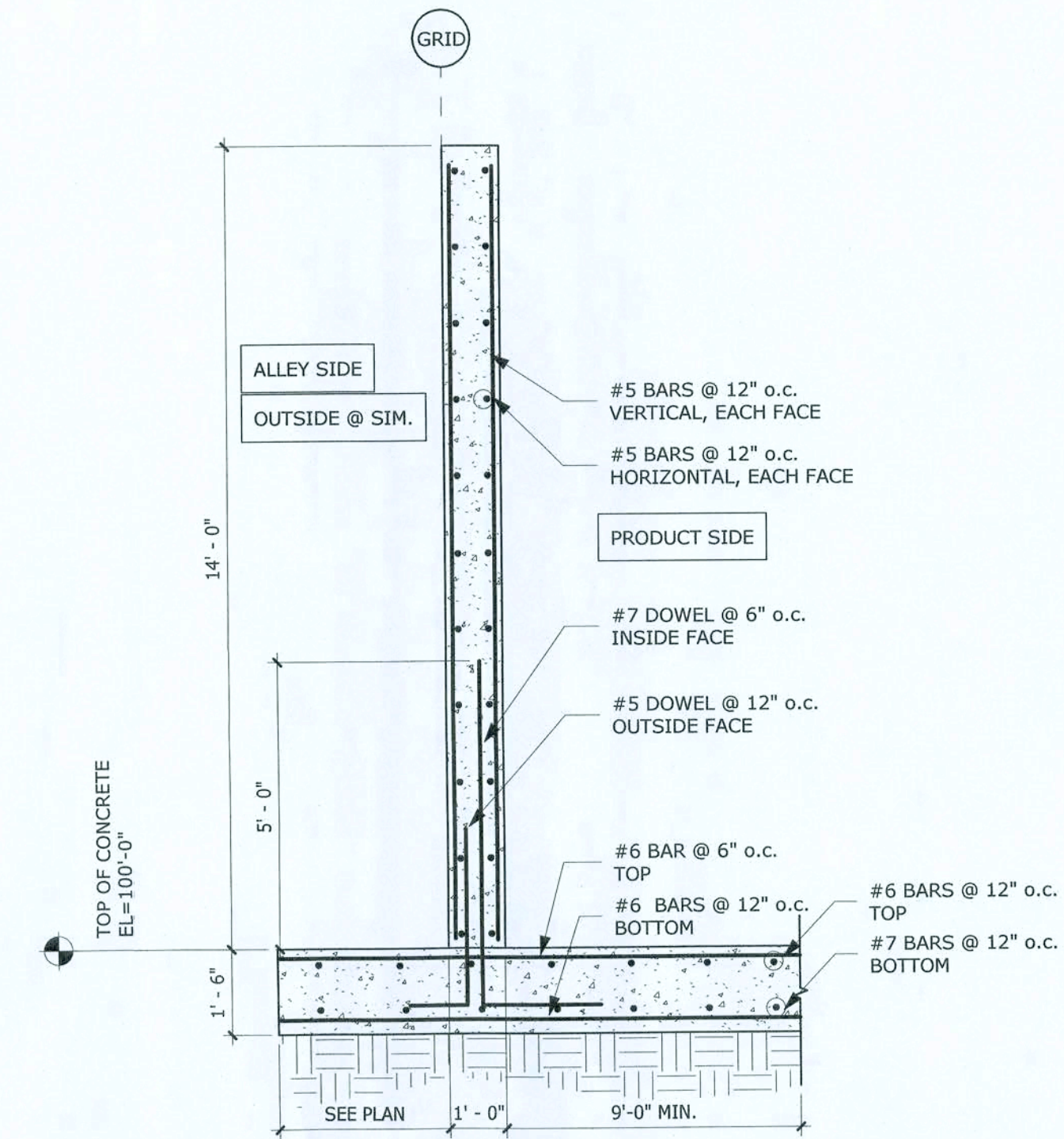
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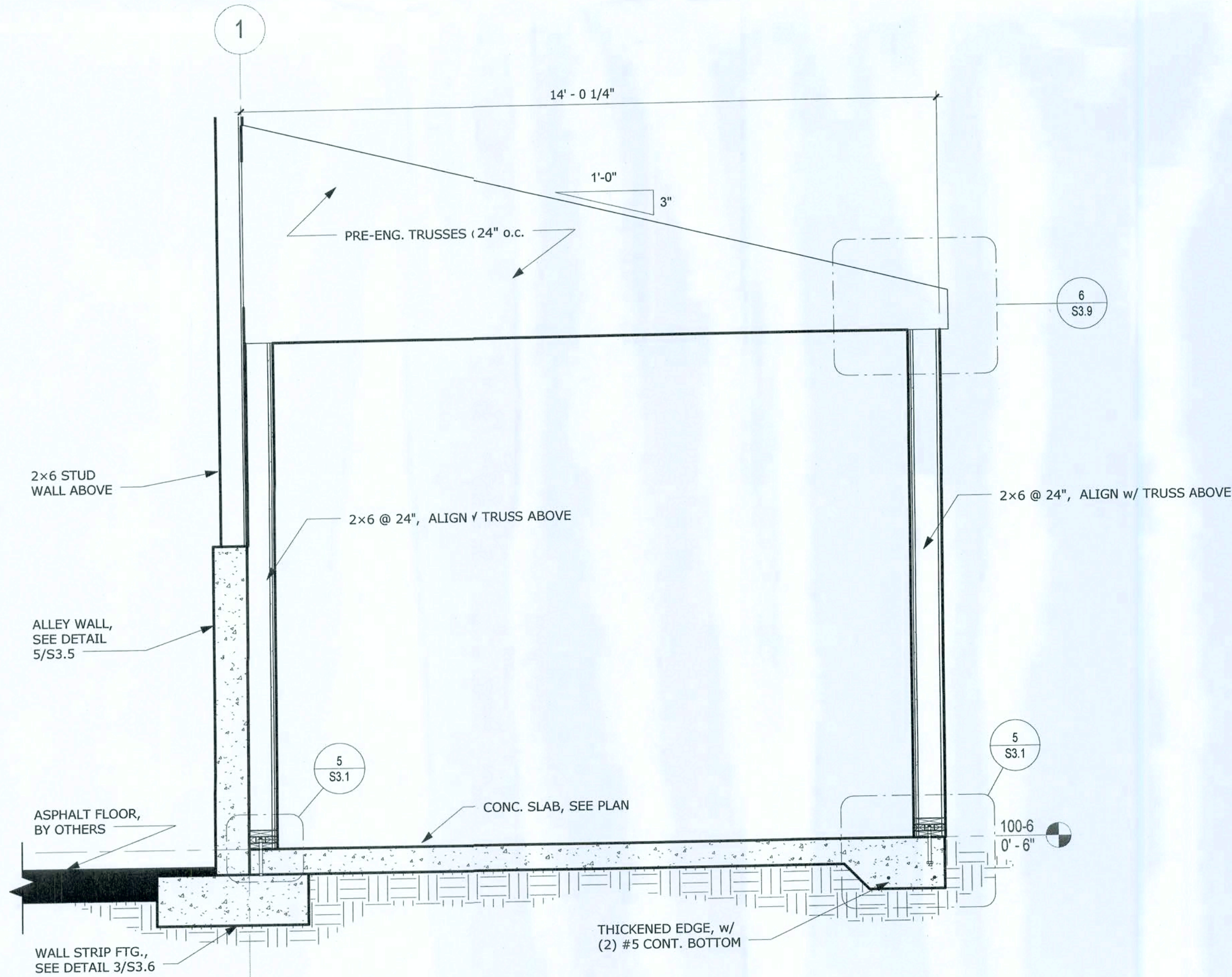
3 ALLEYWALL SECTION
3/4" = 10"



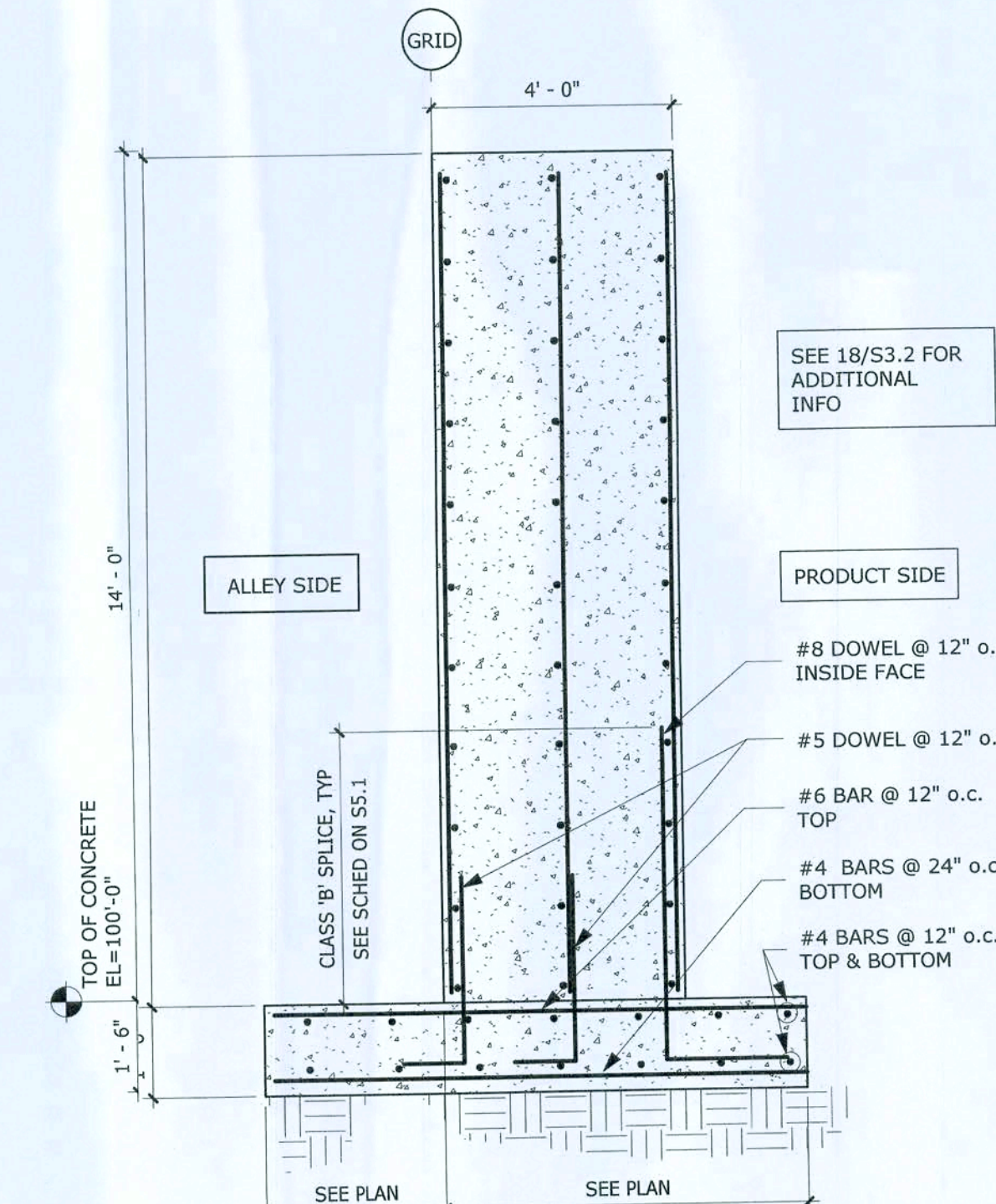
6 SECTION AT DOOR PIER
3/8" = 1'-0"



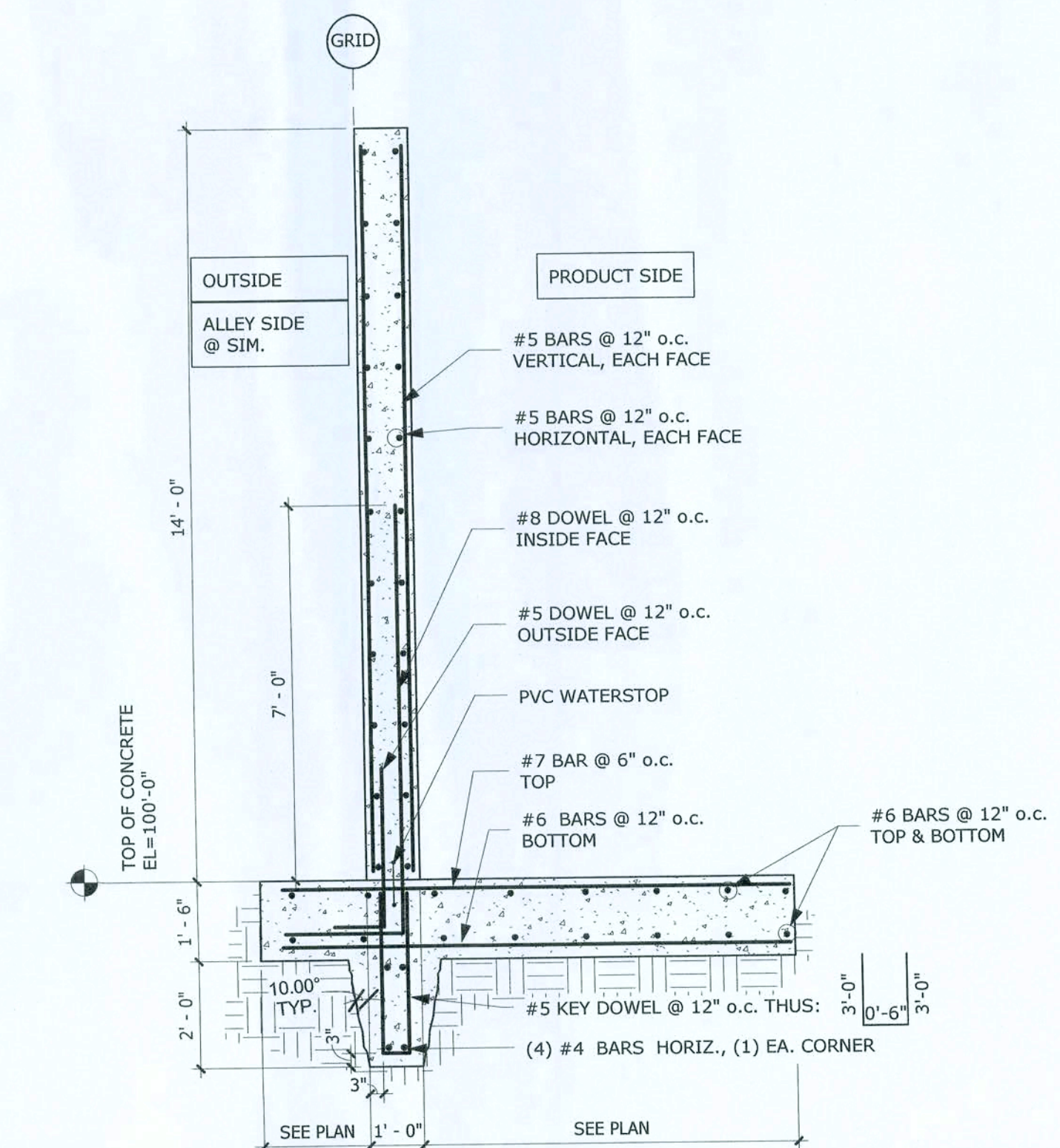
1 KMG BACK BIN WALL SECTION
3/8" = 1'-0"



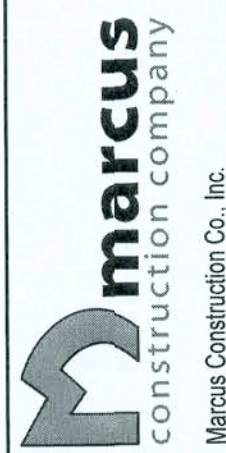
4 Section @ ELECTRICAL ROOM
1/2" = 1'-0"



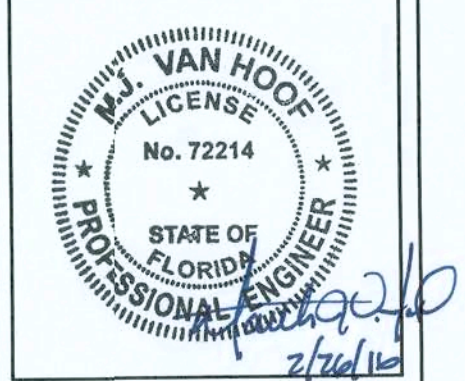
8 WALL SECTION
3/8" = 1'-0"



2 BACK BIN WALL SECTION
3/8" = 1'-0"



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SHEET TITLE:	WALL SECTIONS
PROJECT #:	15431
DATE:	2/12/2016
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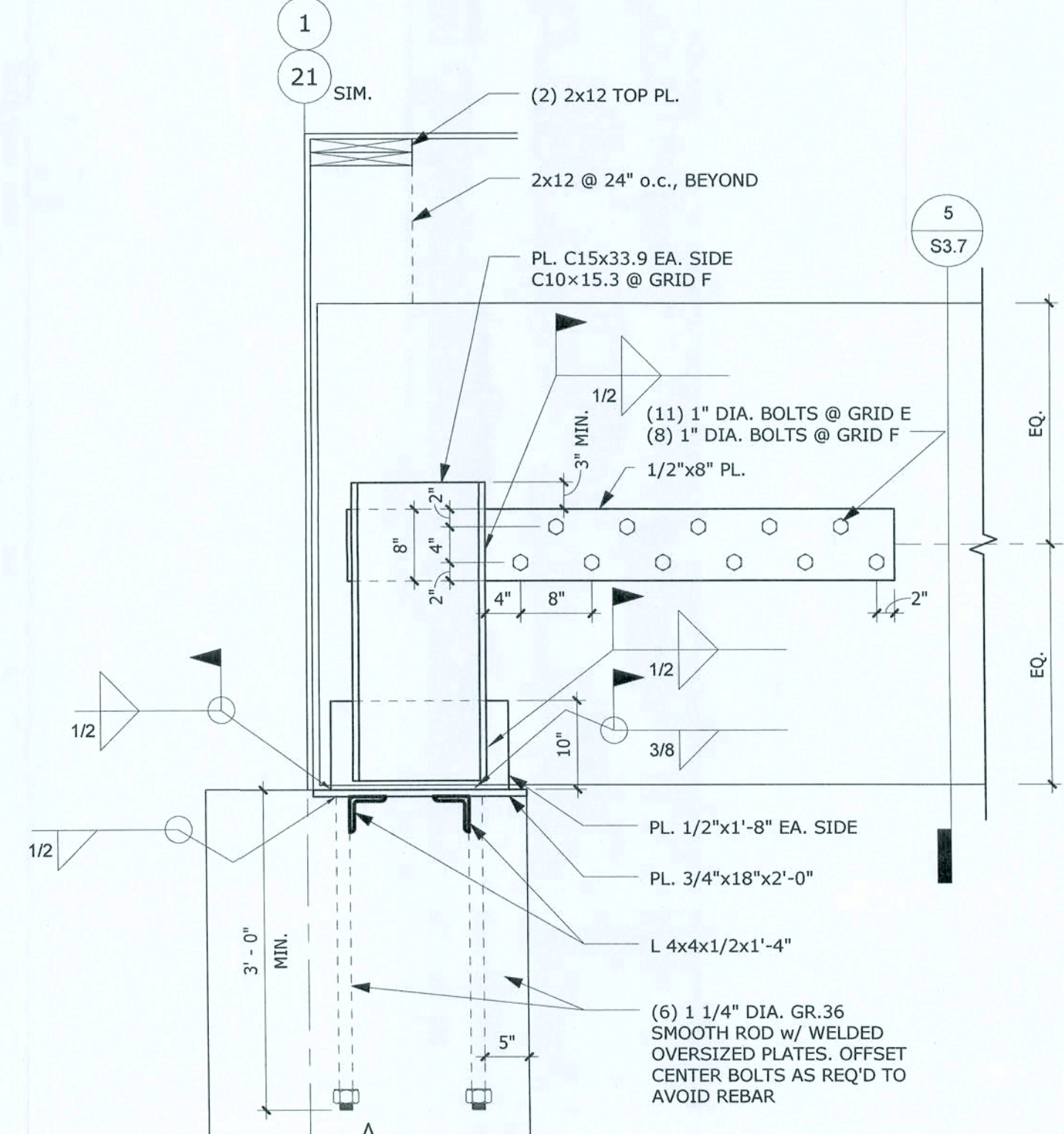
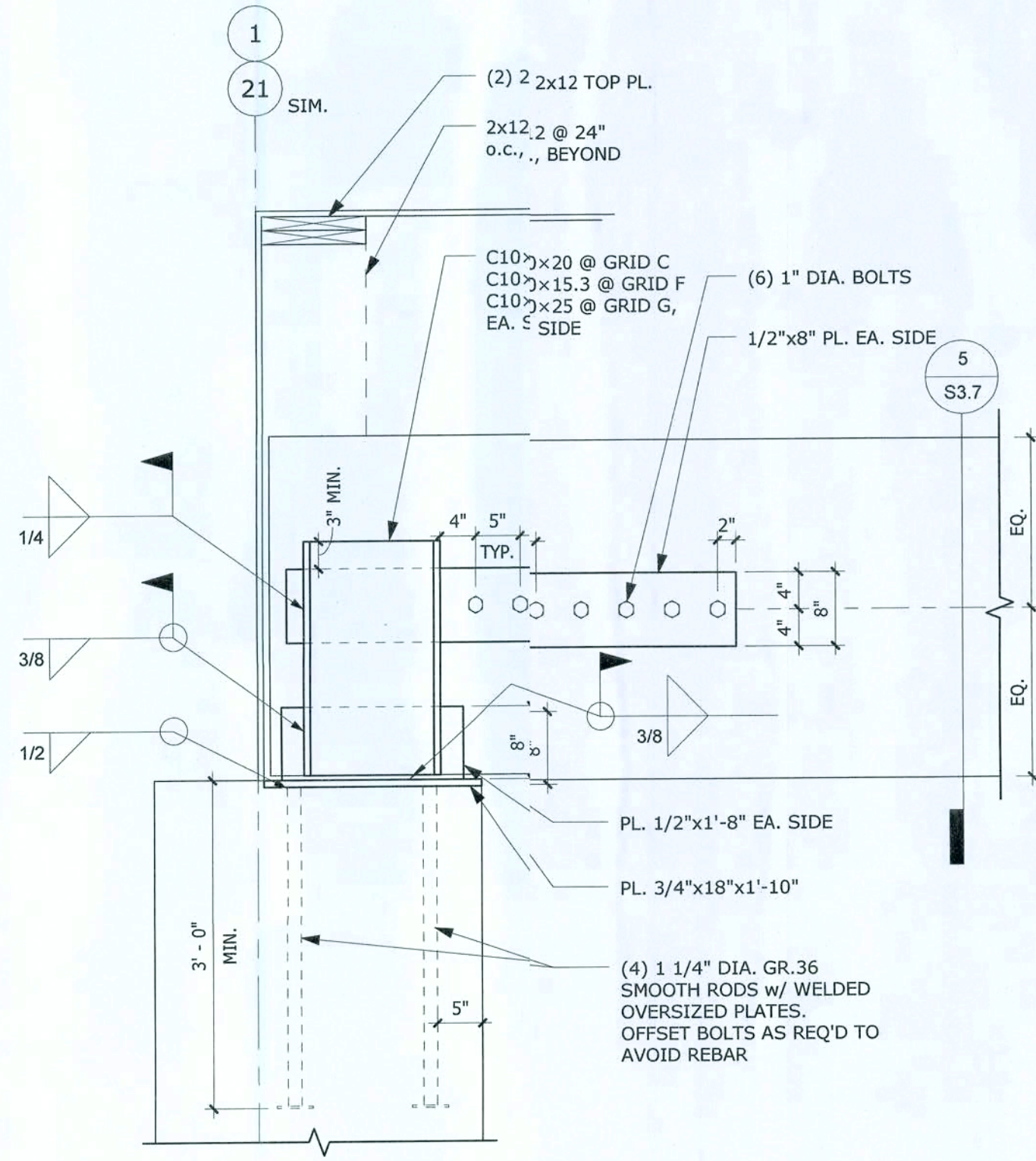
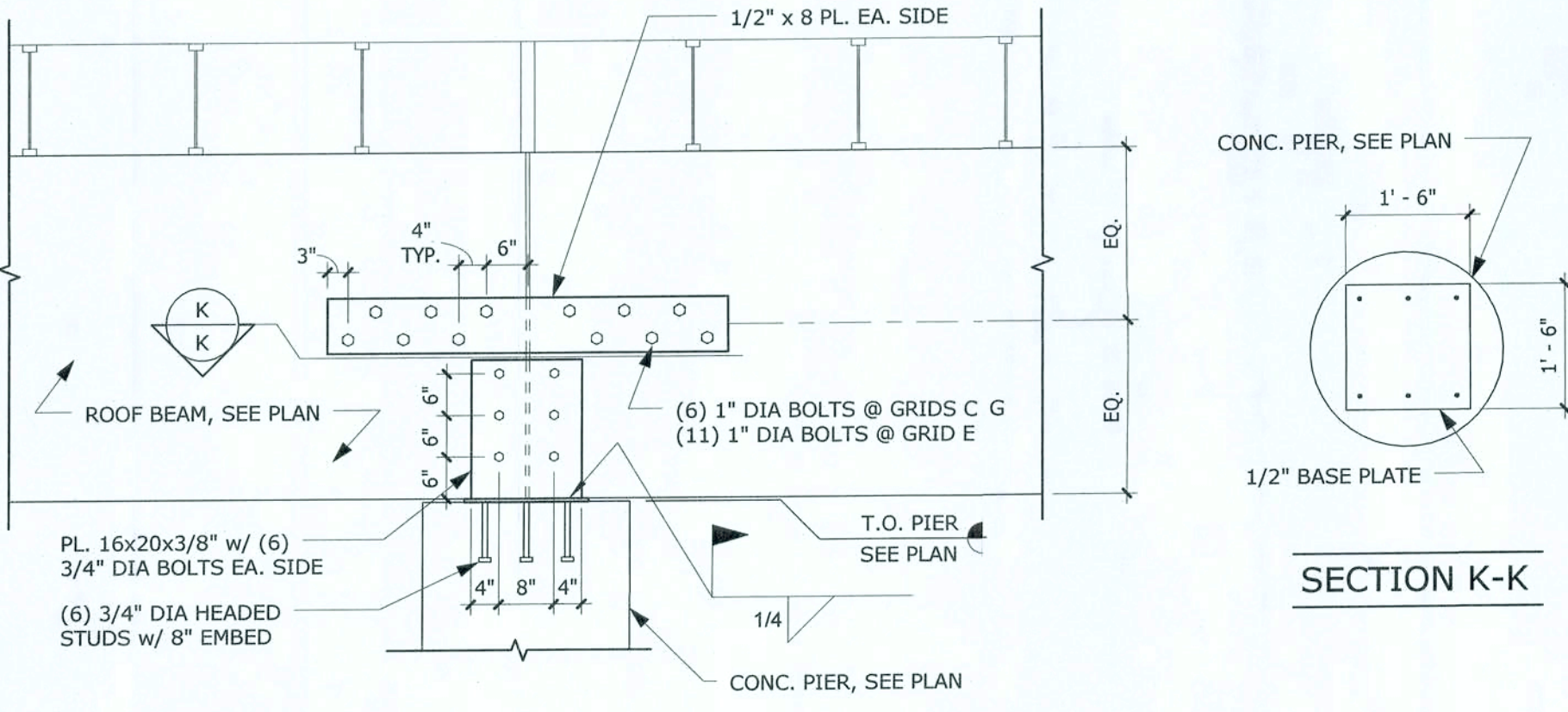
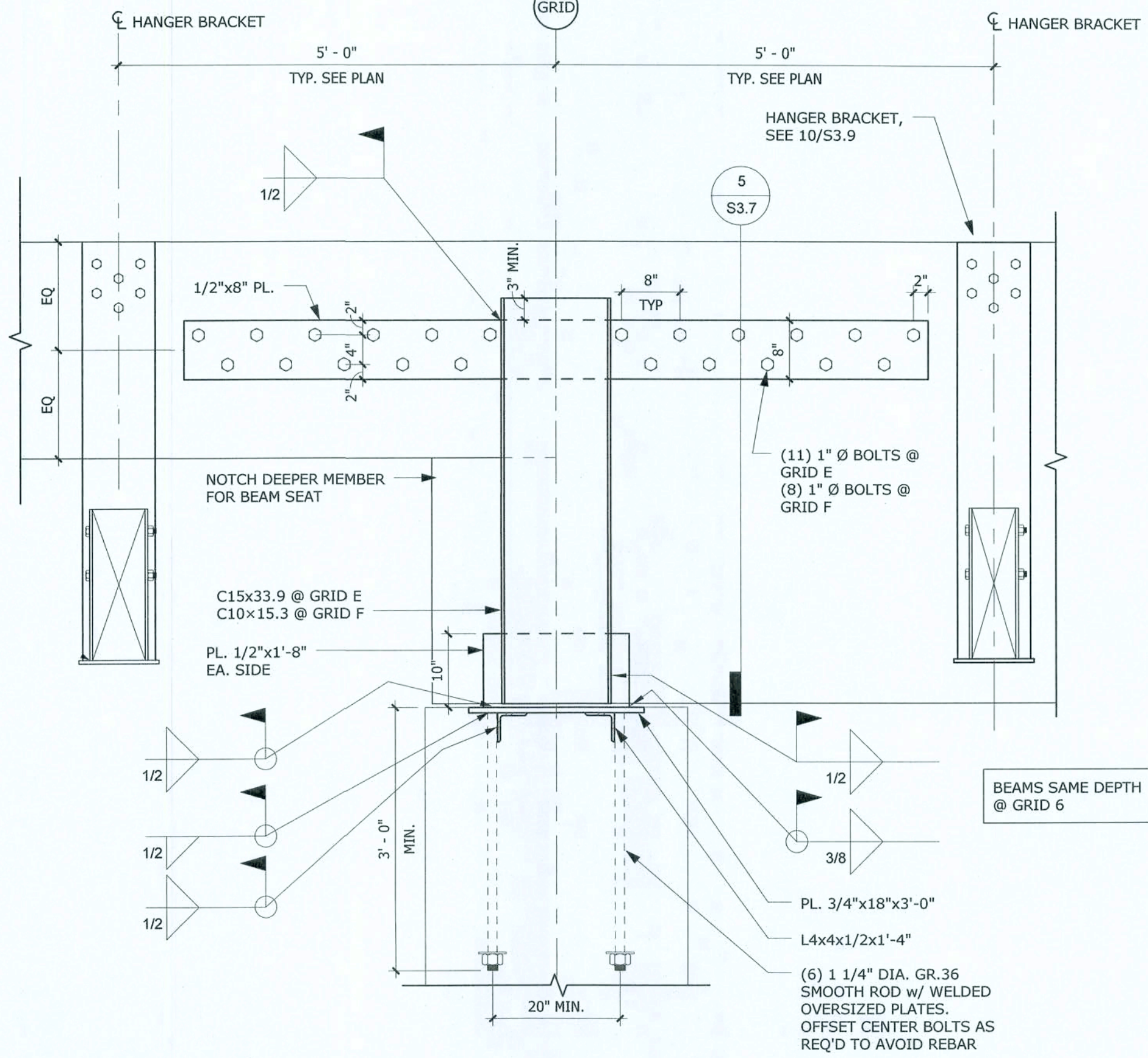
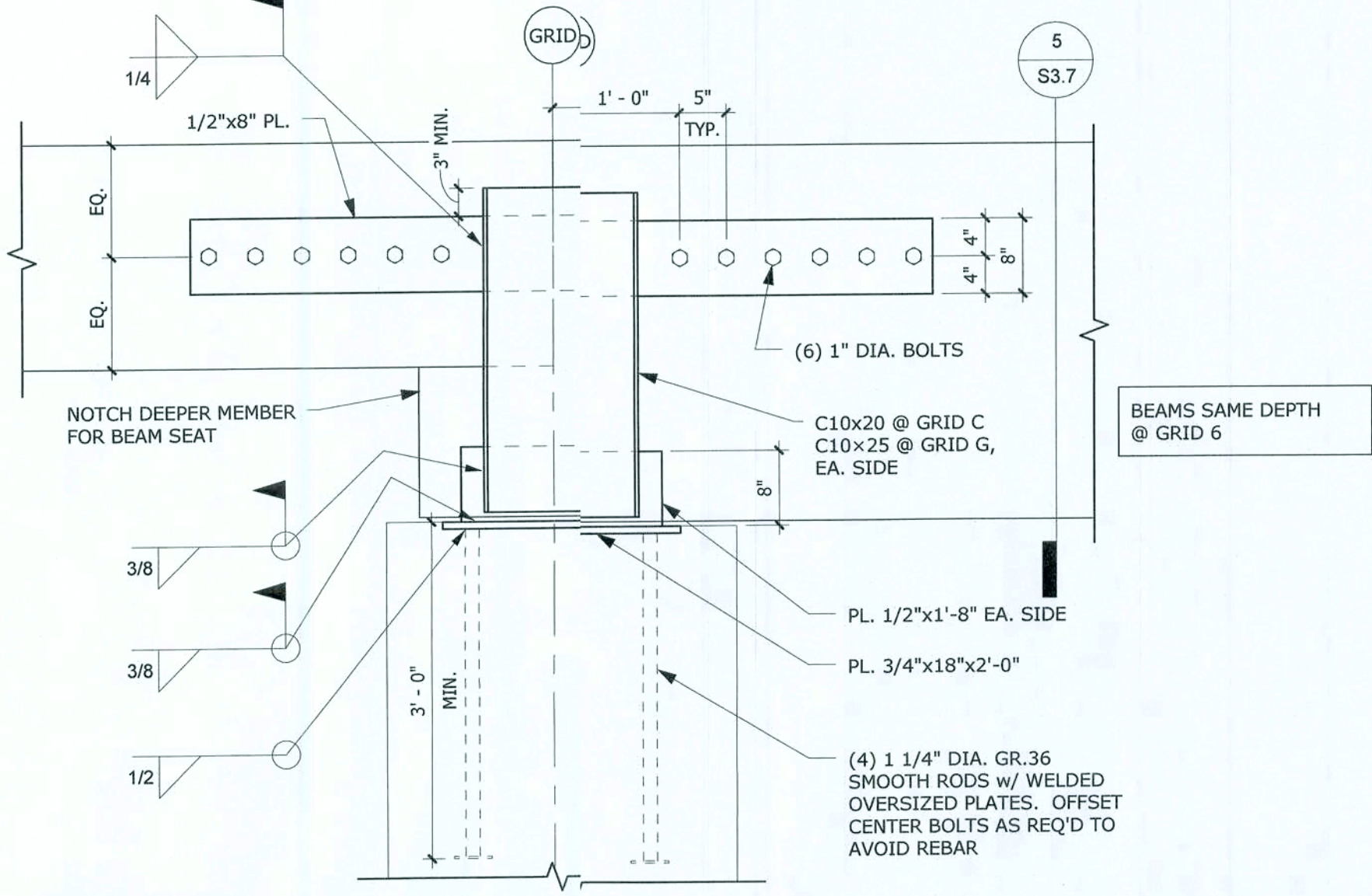
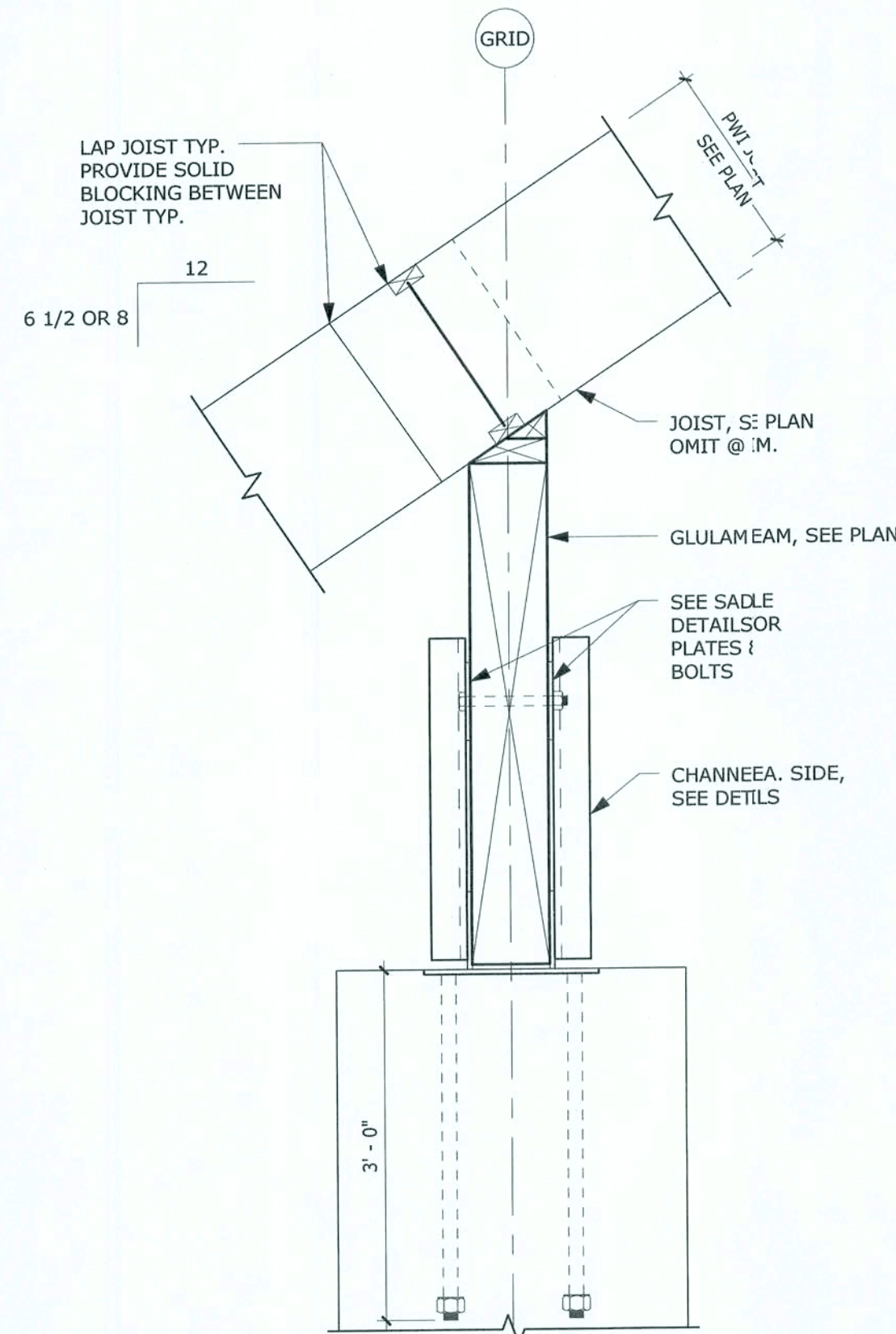
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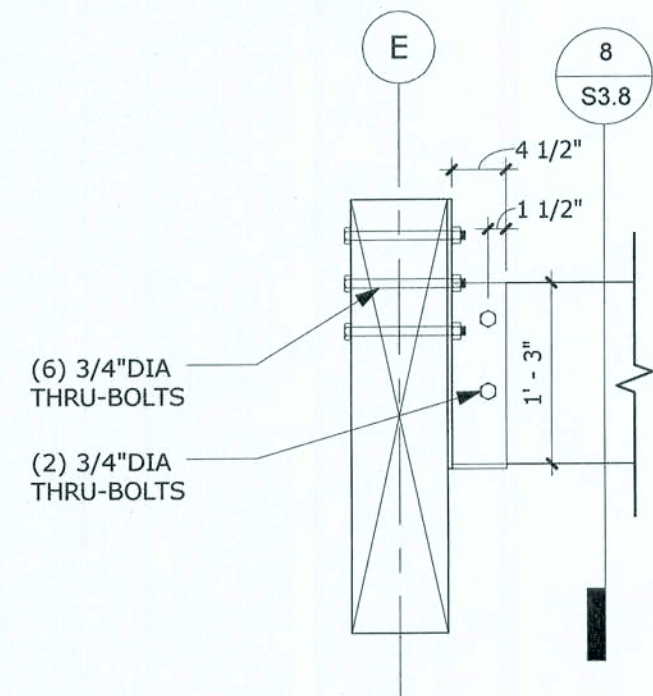
SHEET TITLE:	SADDLE DETAILS
PROJECT #:	15431
DATE:	2/12/2016
DRAWN BY:	DAJ

NO.	REVISIONS/ISSUE	DATE

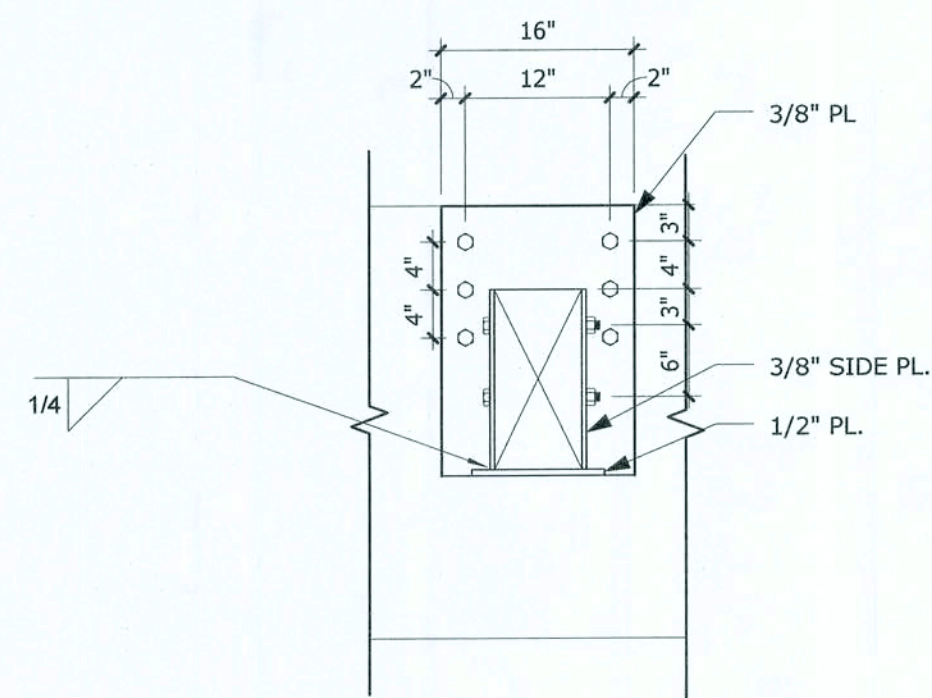
MAYO PLANT FOOD BUILDING
LAKE CITY, FLORIDA

S3.7

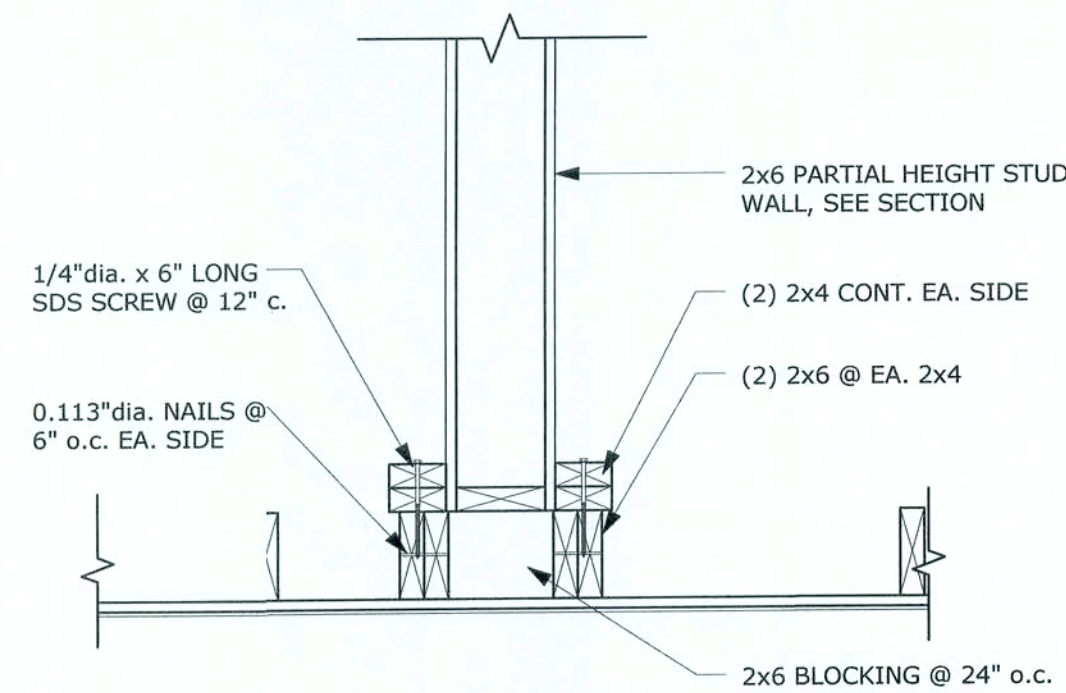




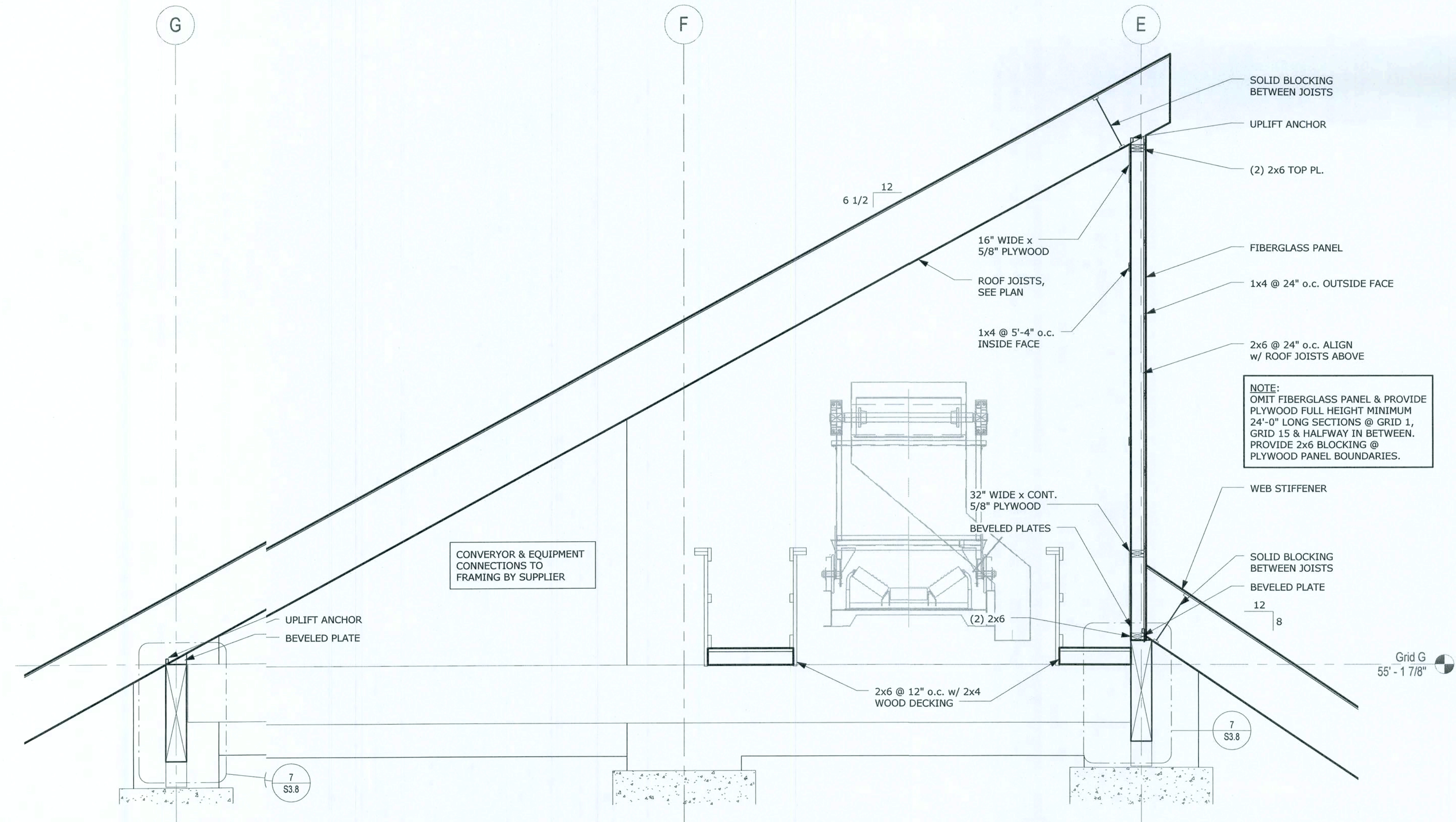
7 DETAIL
3/4" = 1'-0"



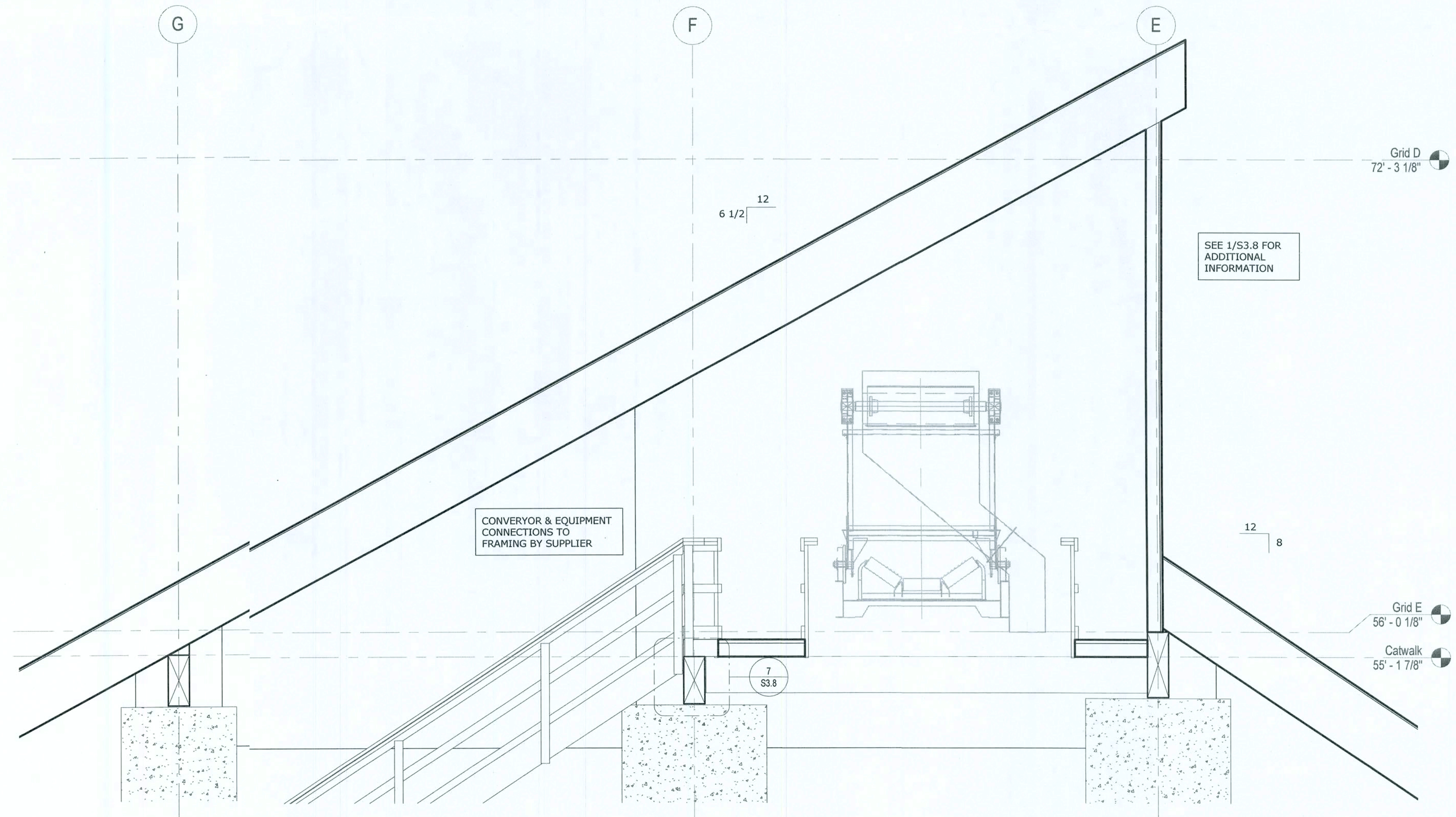
8 DETAIL
3/4" = 1'-0"



6 DETAIL
1" = 1'-0"



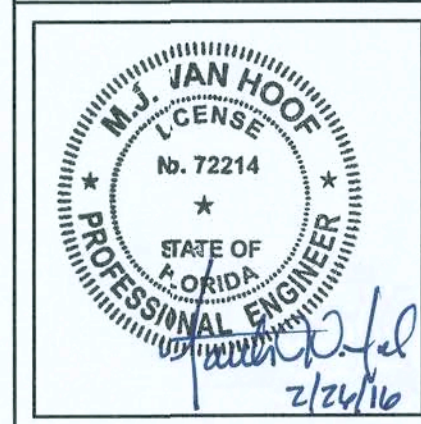
1 SECTION @ CONVEYOR
3/8" = 1'-0"



3 SECTION @ CONVEYOR
3/8" = 1'-0"

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Fax: (612) 222-8628

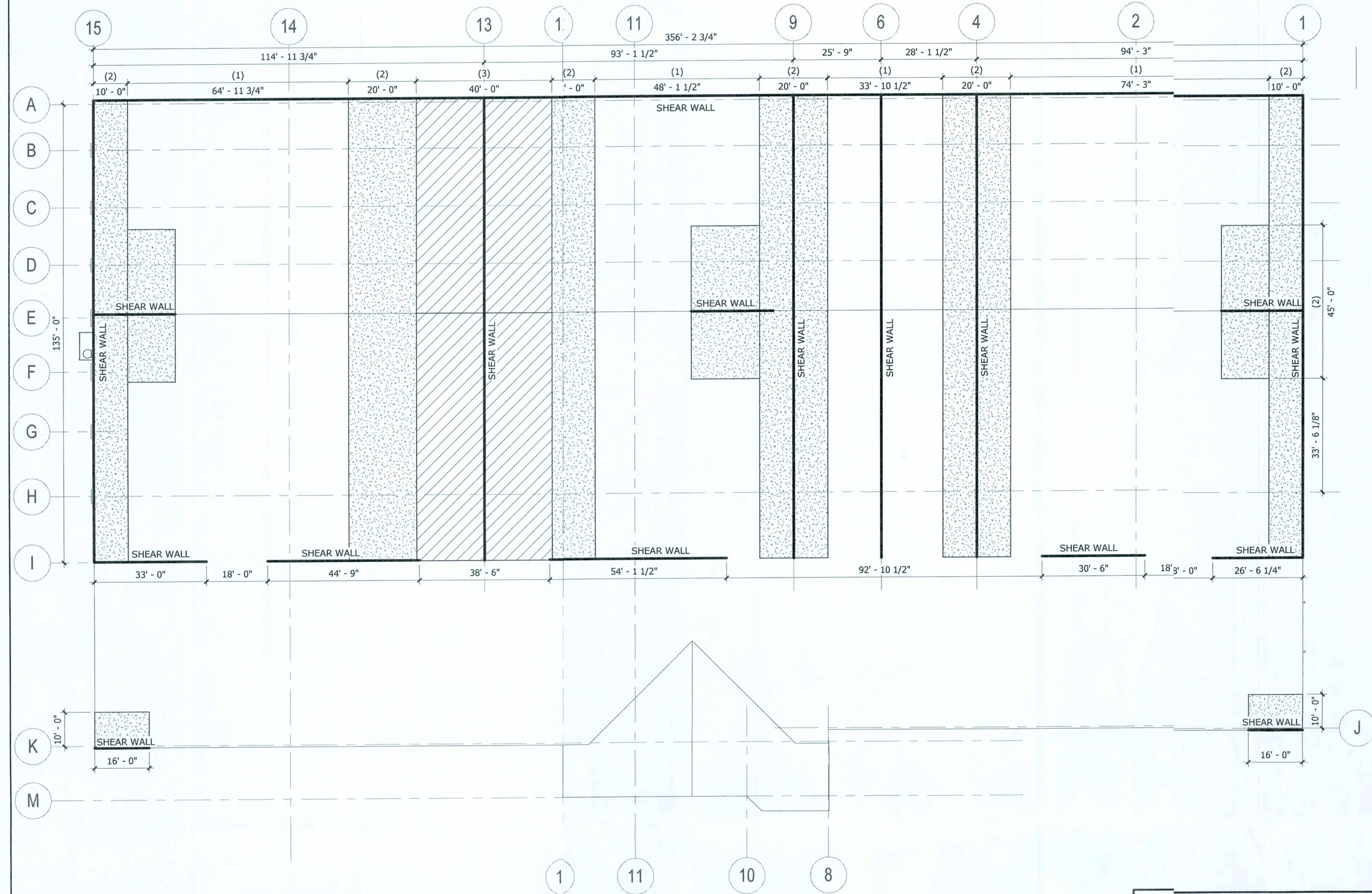


SHEET TITLE:	CONVEYOR SECTIONS AND DETAILS
PROJECT #:	15431
DATE:	2/12/2016
DRAWN BY:	Author

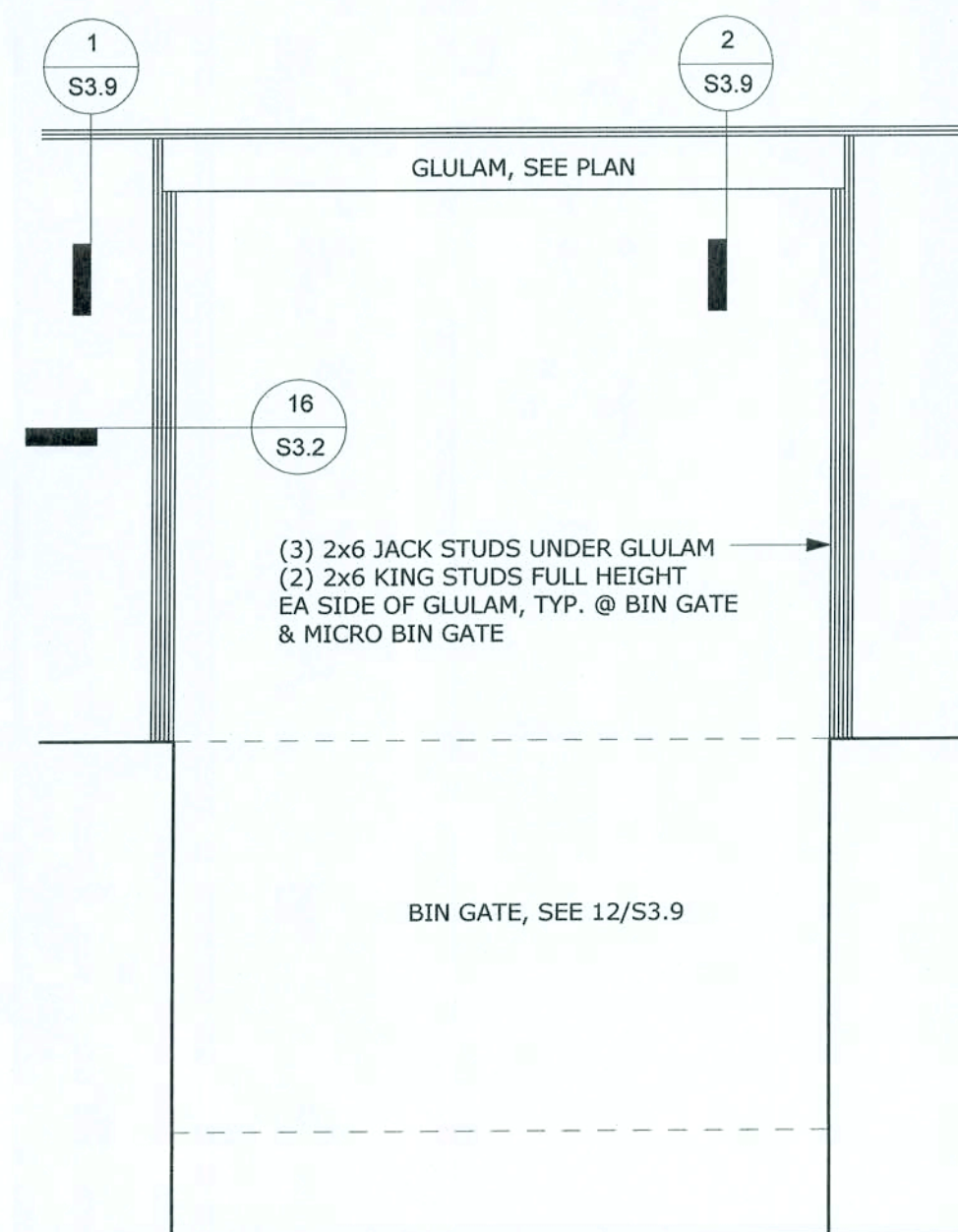
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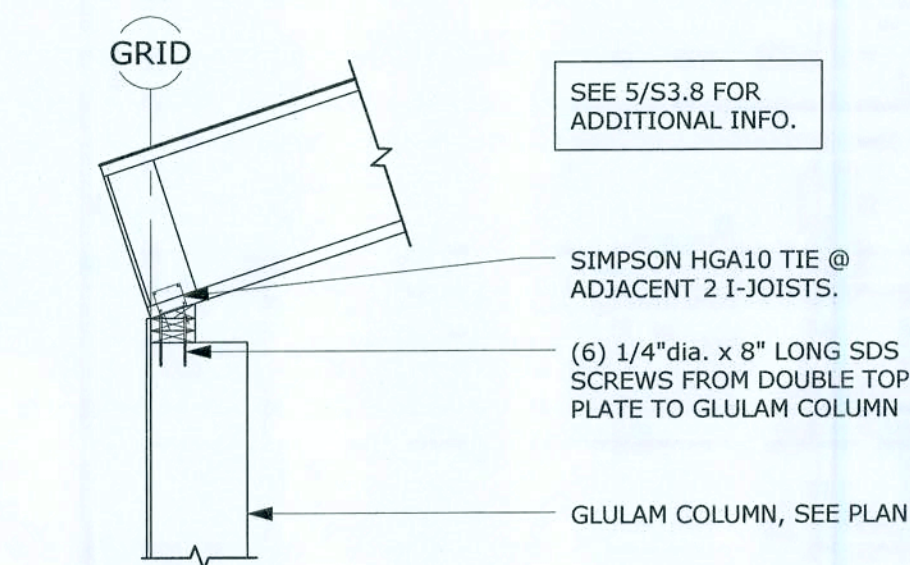
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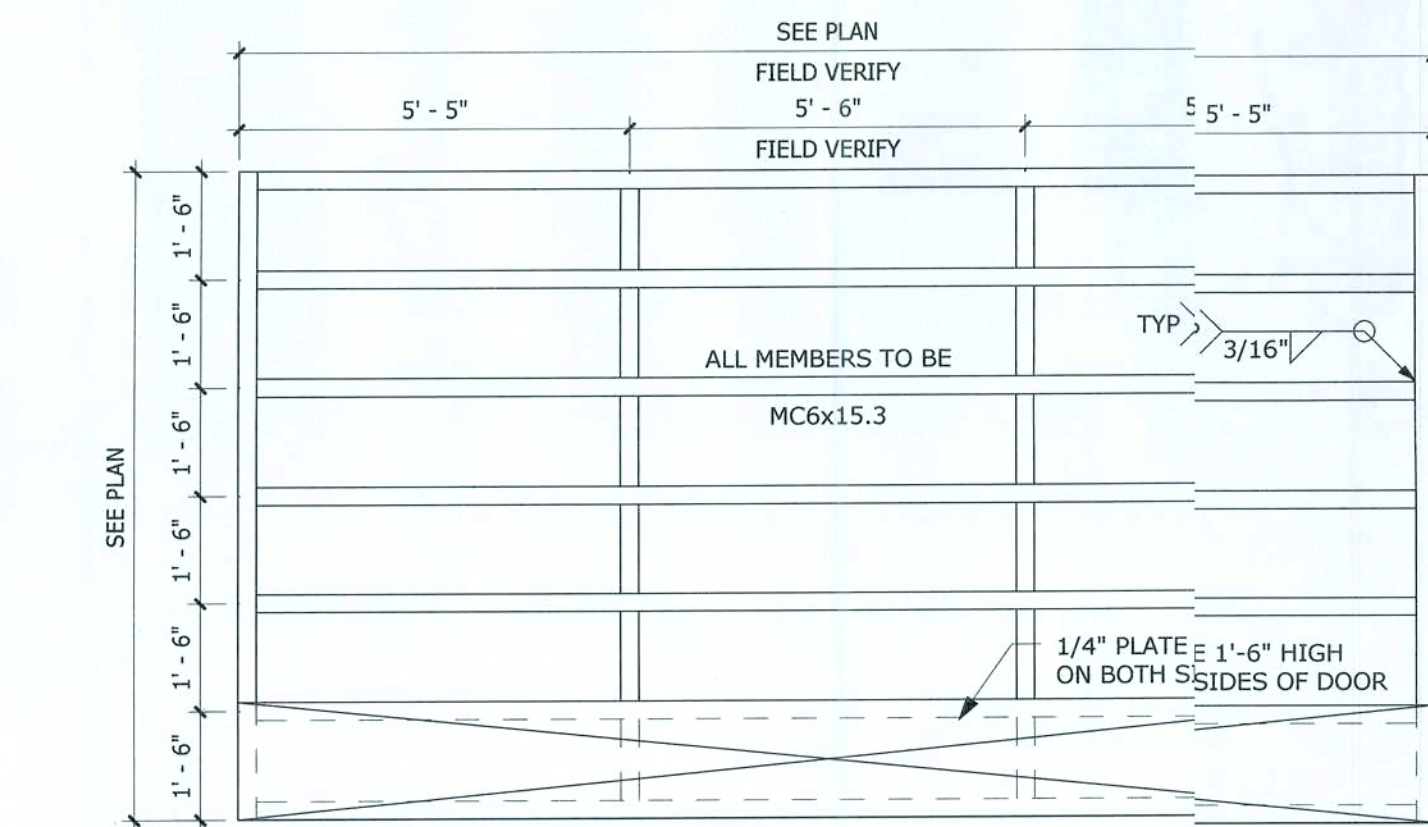
14 ROOF DIAPHRAGM PLAN
3/64" = 1'-0"



16 ELEVATION @ BIN GATE
DO NOT SCALE

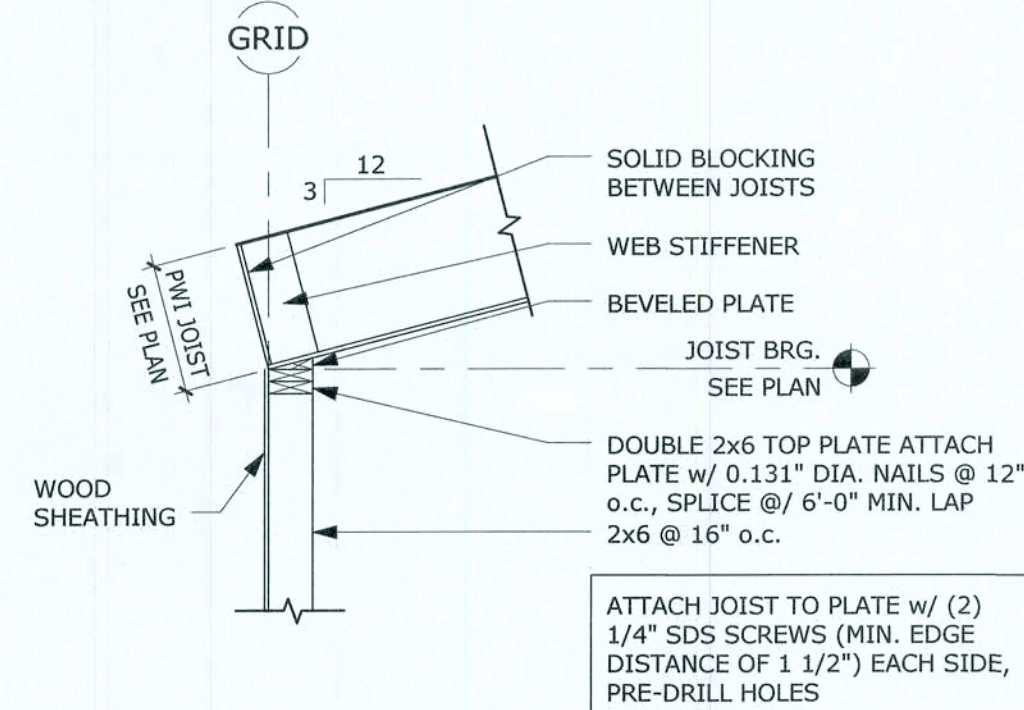


11 ROOF FRAMING DETAIL
1/2" = 1'-0"

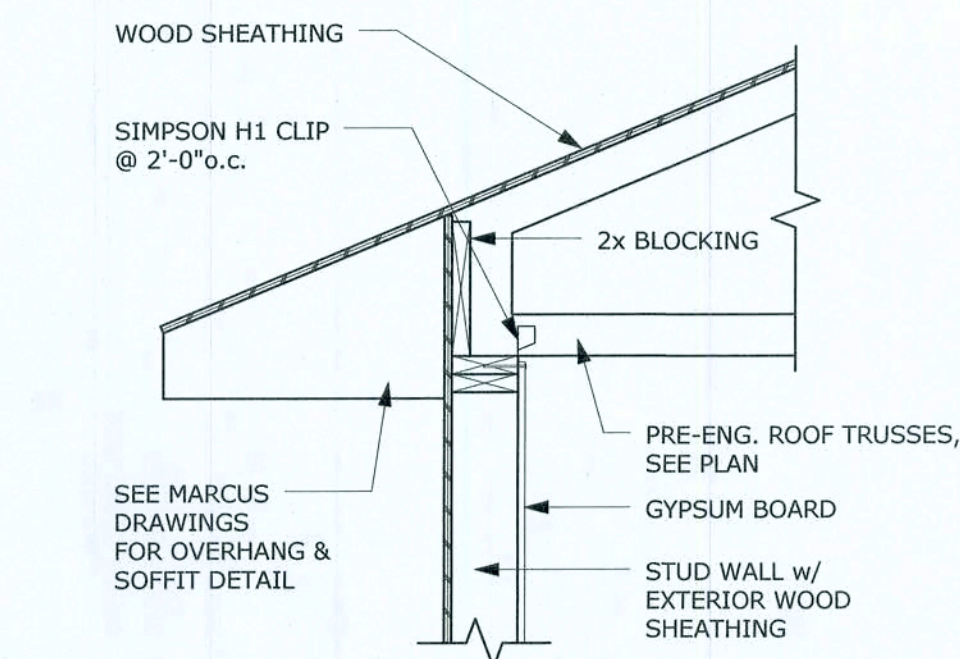


12 BIN GATE DETAIL
3/8" = 1'-0"

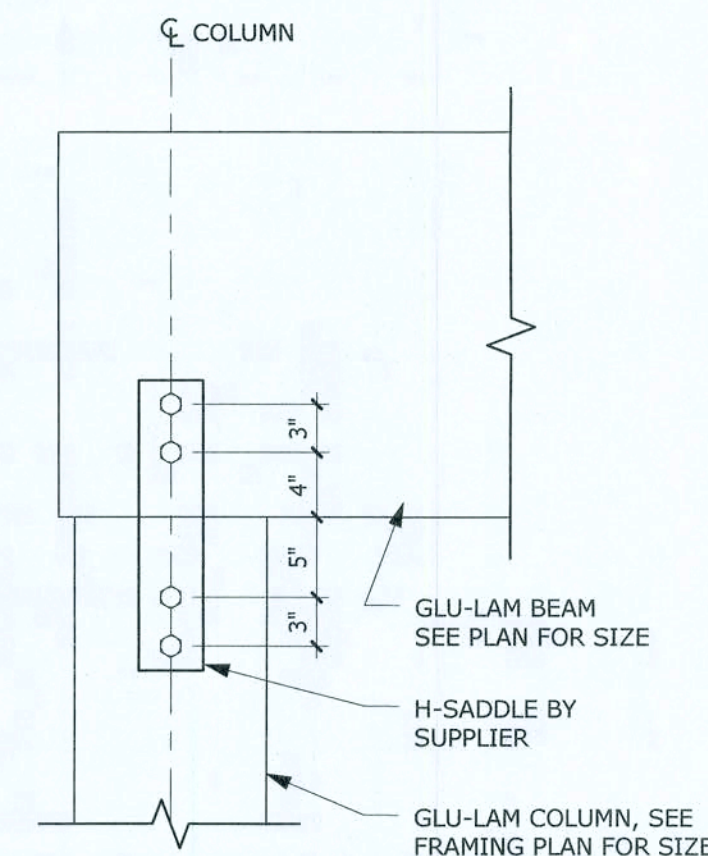
ROOF NAILING SCHEDULE		
(1)	40/20 APA RATE SHEATHING (19/32") UNBLOCKED w/ 0.113" DIA. x2" NAILS @ 6" o.c. EDGE & 12" o.c. FIELD	
(2)	40/20 APA RATE SHEATHING (19/32") w/ BLOCKED BOUNDARIES w/ 0.113" DIA. x2" NAILS @ 6" o.c. EDGE & 12" o.c. FIELD	
(3)	40/20 APA RATE SHEATHING (19/32") w/ BLOCKED BOUNDARIES w/ 0.113" DIA. x2" NAILS @ 4" o.c. EDGE & 12" o.c. FIELD	



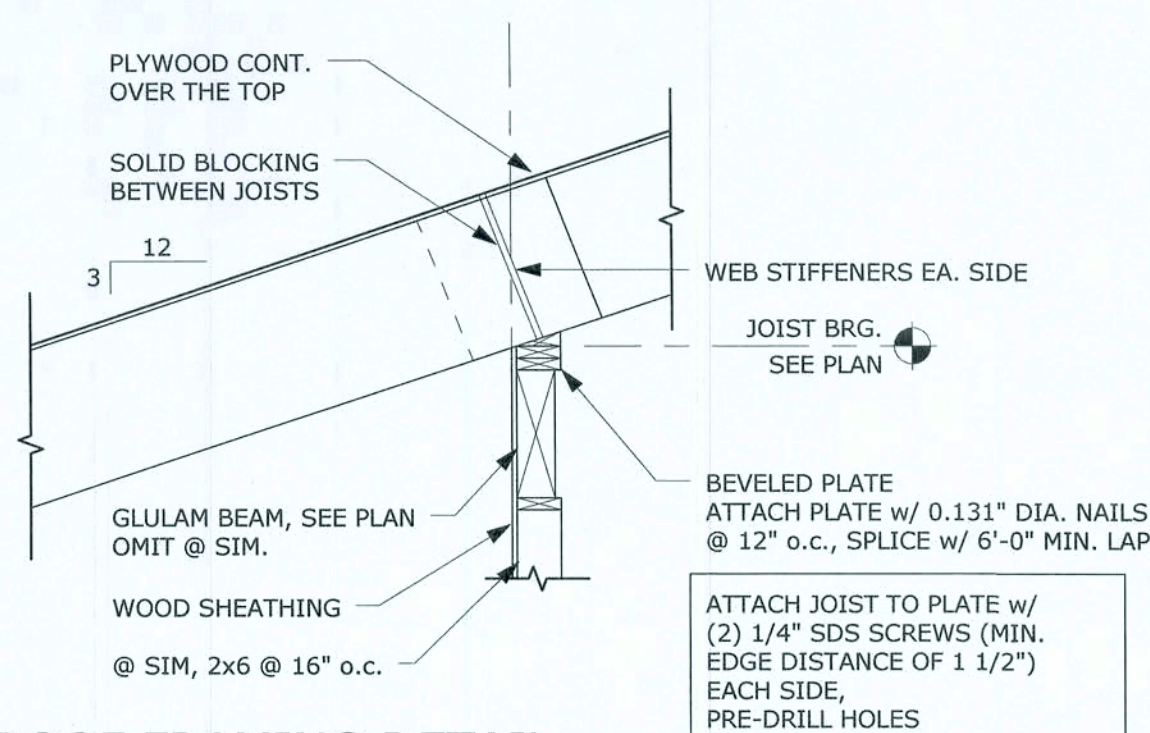
5 ROOF FRAMING DETAIL
1/2" = 1'-0"



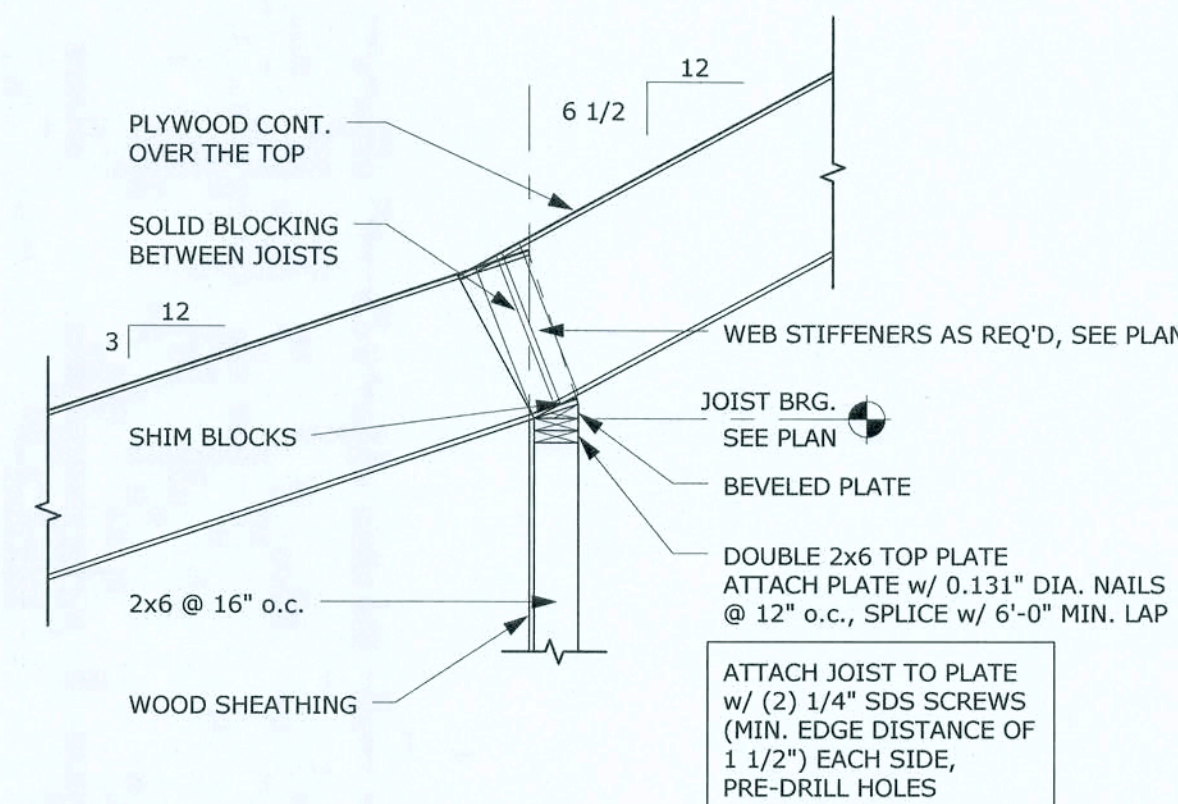
6 TRUSS BEARING DETAIL
3/4" = 1'-0"



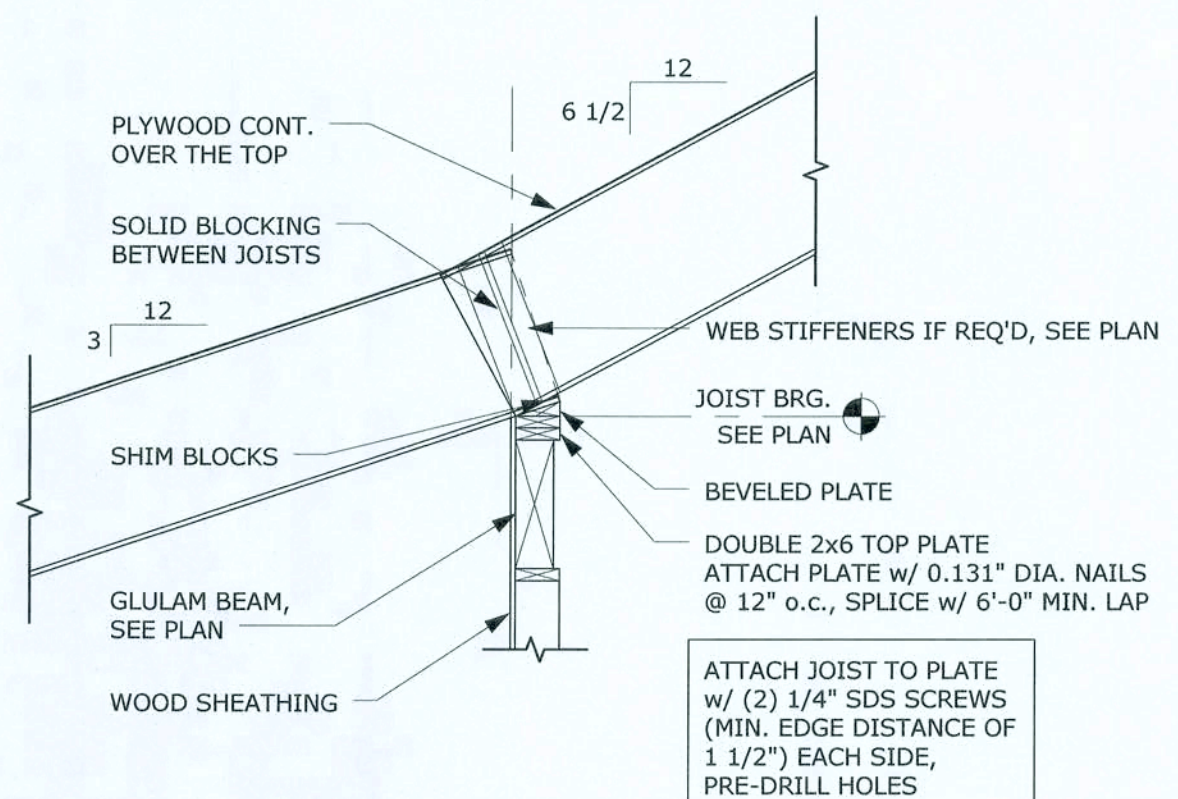
7 ROOF FRAMING DETAIL
1" = 1'-0"



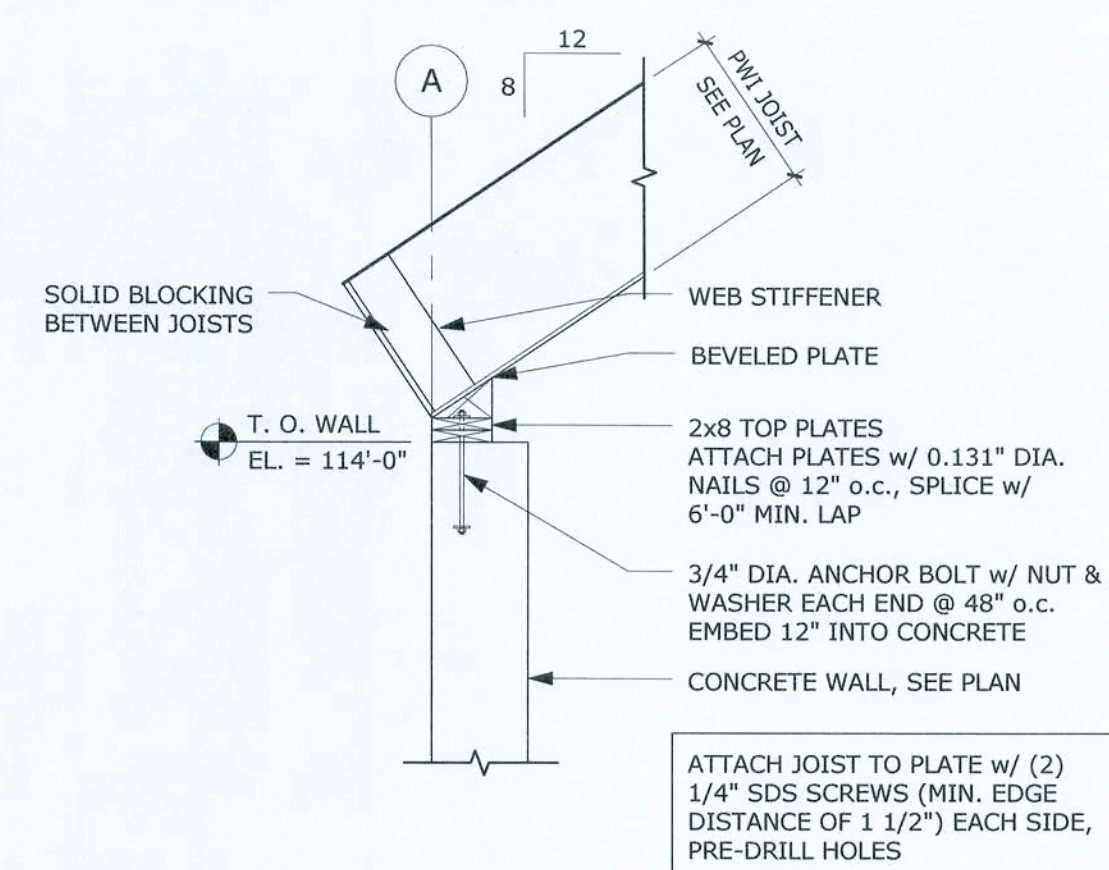
8 ROOF FRAMING DETAIL
1/2" = 1'-0"



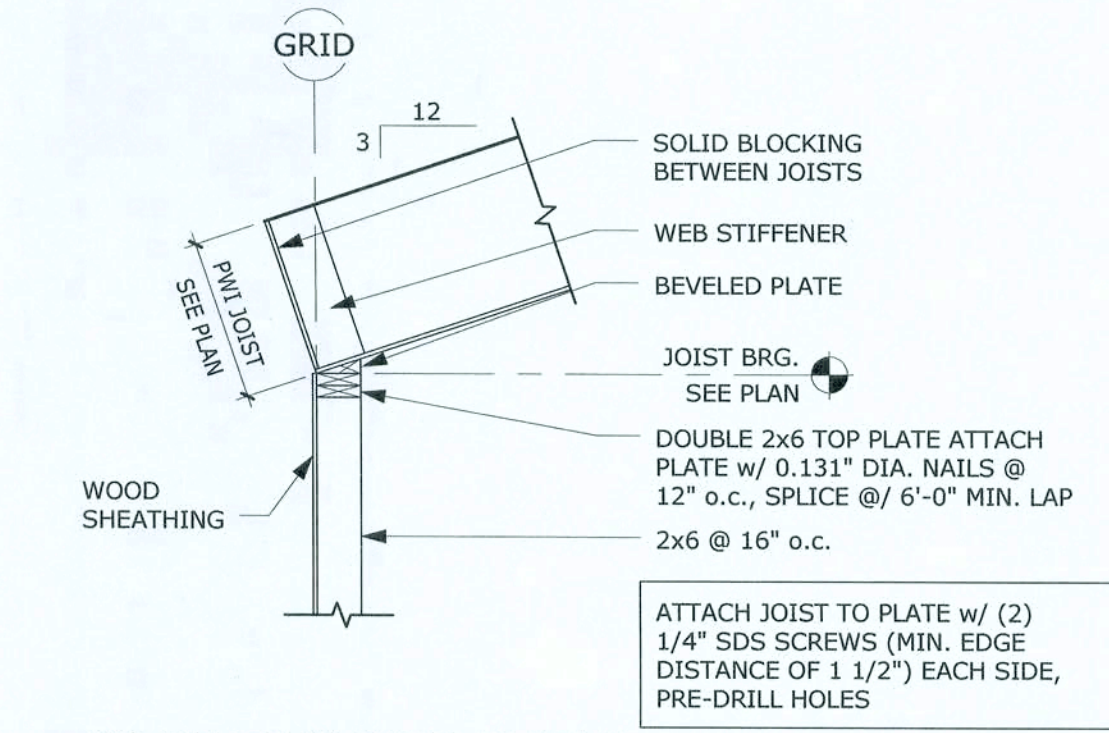
1 ROOF FRAMING OVER STUDS DETAIL
1/2" = 1'-0"



2 ROOF FRAMING DETAIL OVER BIN GATE
1/2" = 1'-0"



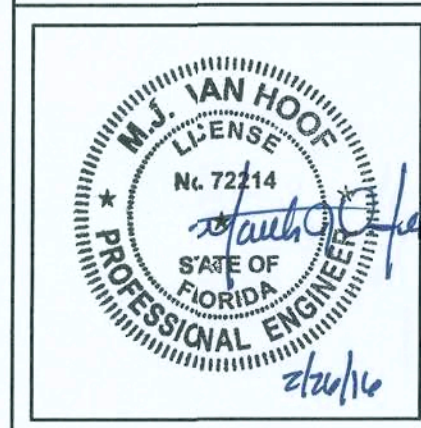
3 ROOF FRAMING DETAIL
1/2" = 1'-0"



4 ROOF FRAMING DETAIL
1/2" = 1'-0"

KRECH, O'BRIEN, MUELLER & ASSOCIATES, INC.
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kma@kmaonline.com

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construction company
Marcus Construction Co., Inc.
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Willmar, MN 56201
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Fax: (320) 222-8625

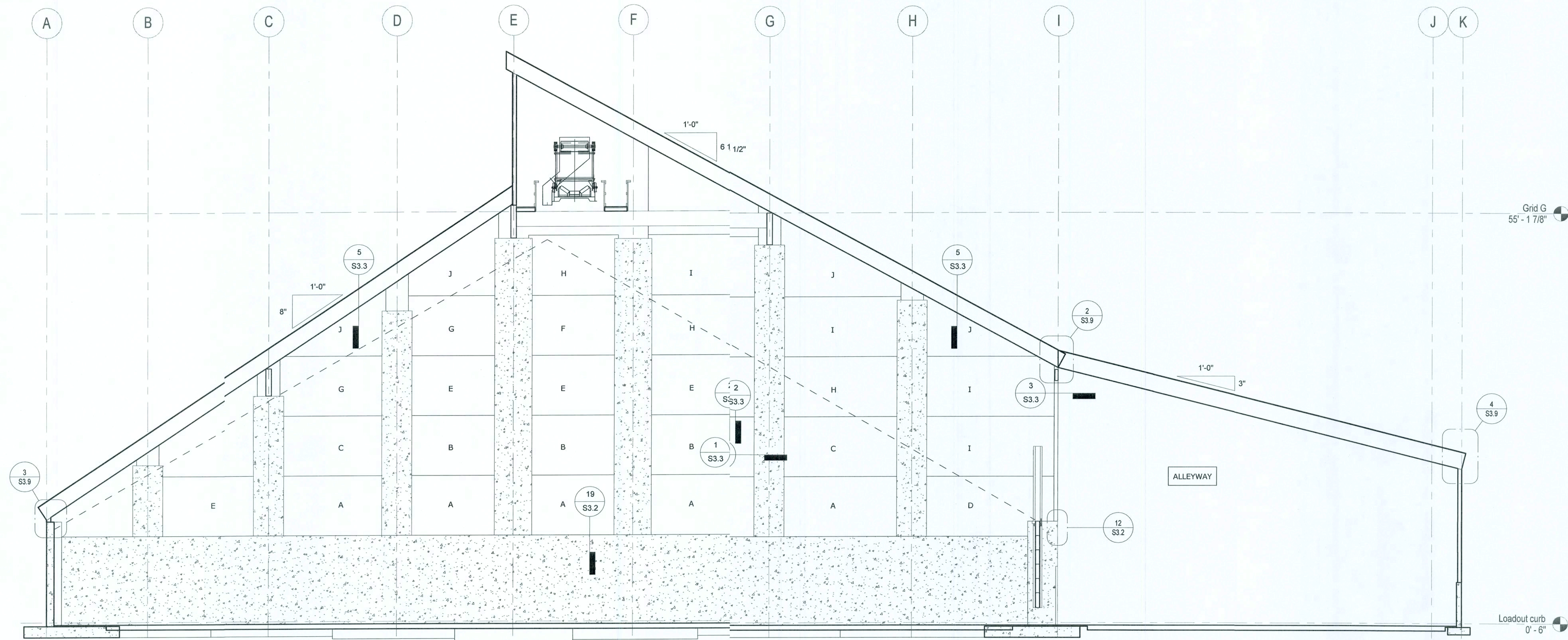


SHEET TITLE:	ROOF FRAMING DETAILS
PROJECT #:	15131
DATE:	2/12/2016
DRAWN BY:	Author

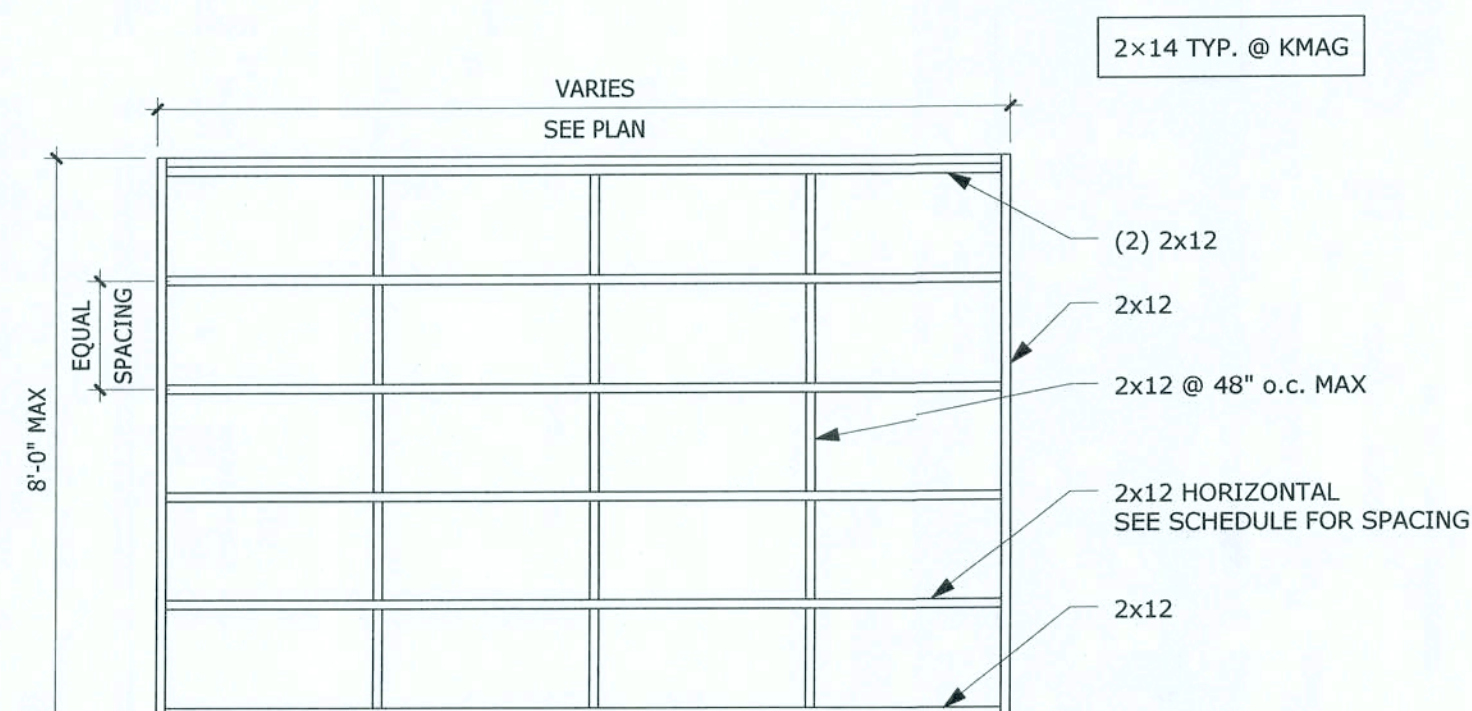
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LAKE CITY, FLORIDA

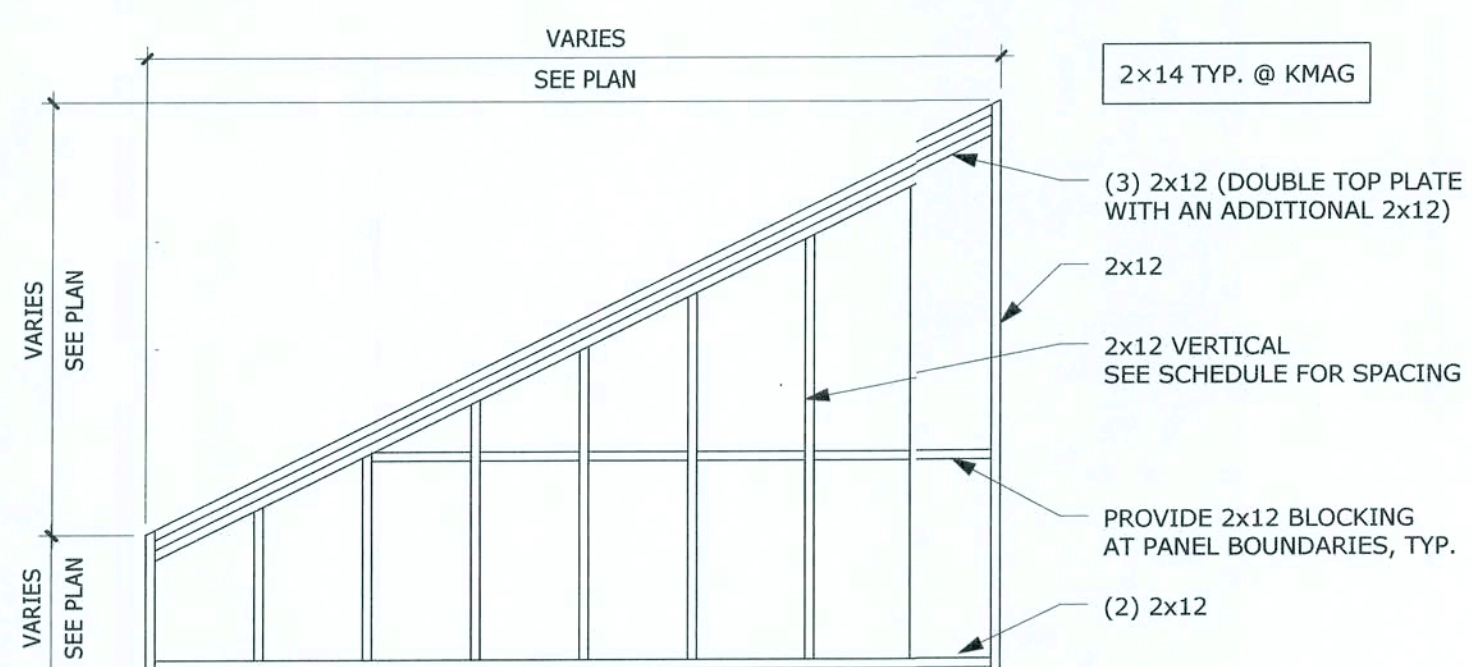
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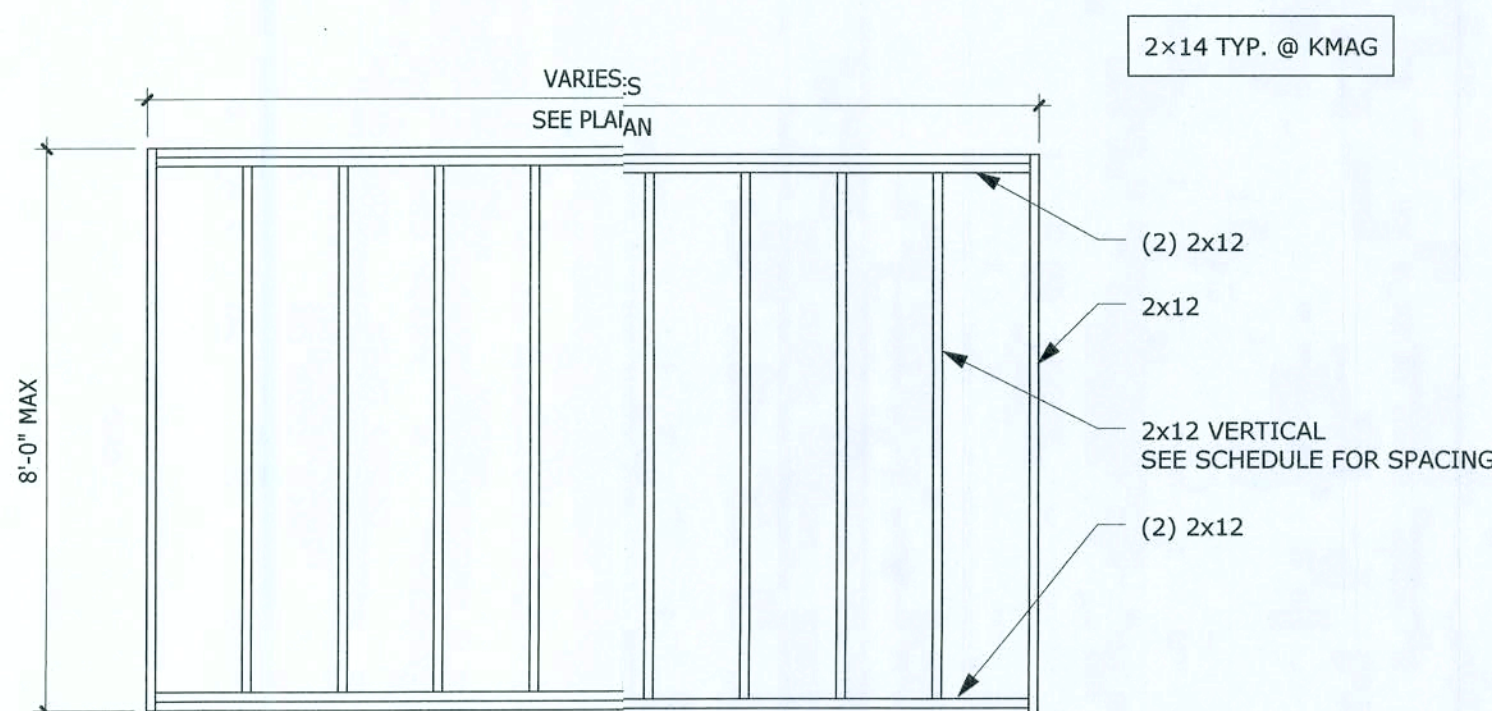
7 PRODUCT WALL SECTION
1/8" = 1'-0"



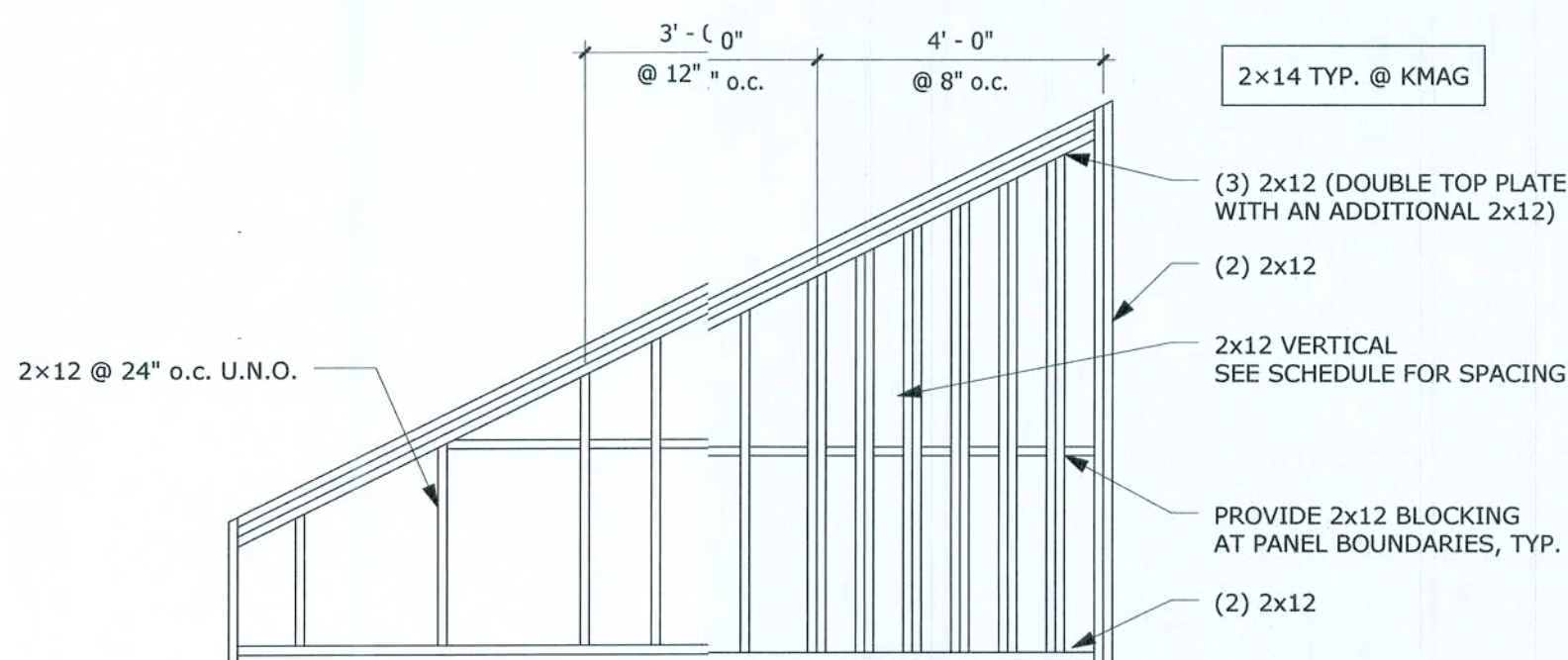
8 PANEL MARK C, D, G, & H
3/8" = 1'-0"



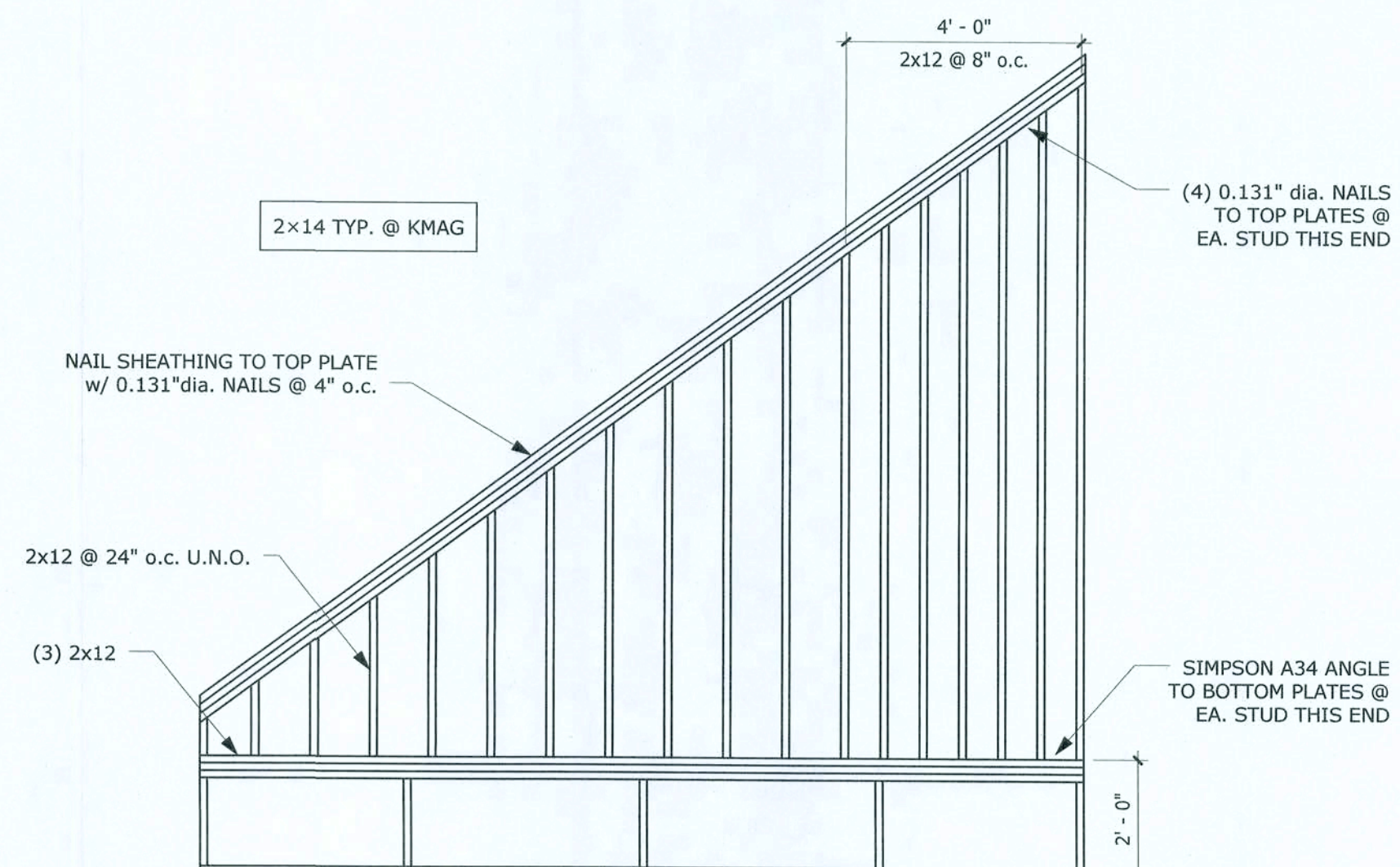
9 PANEL MARK J
3/8" = 1'-0"



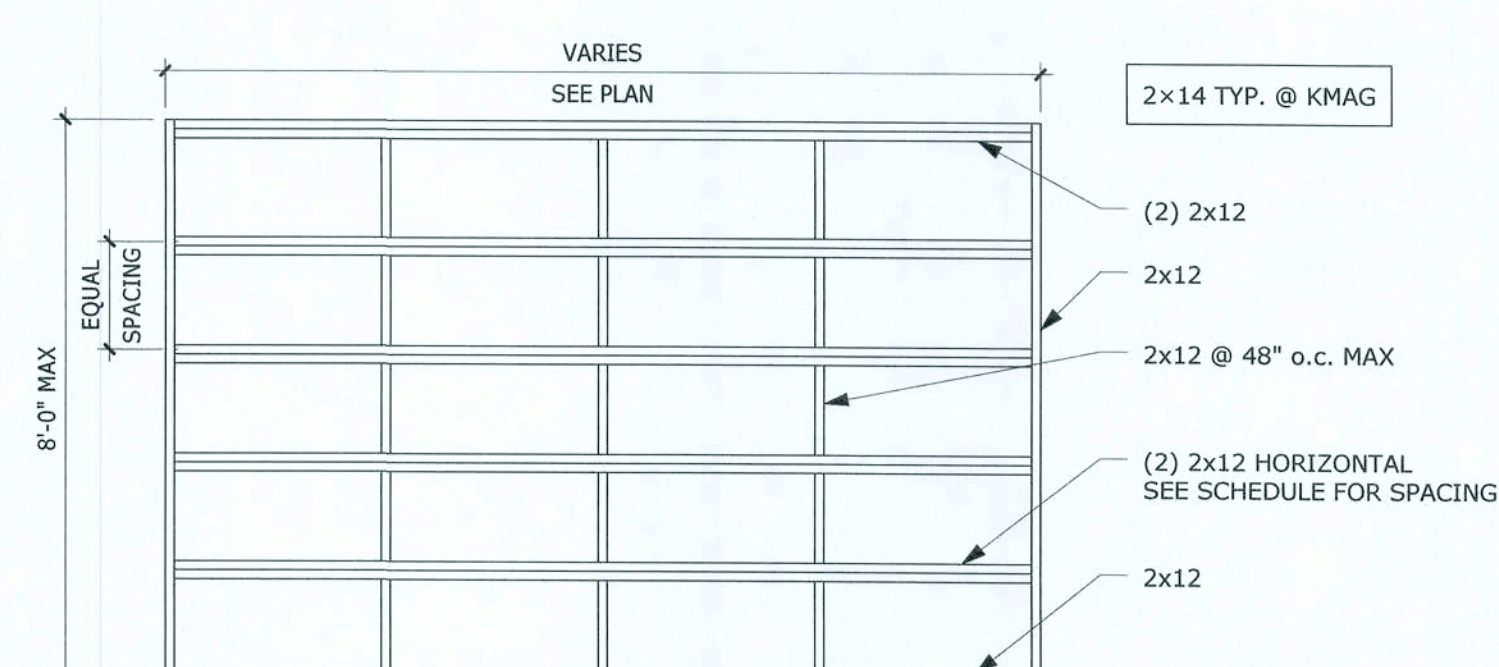
5 PANEL MARK I
3/8" = 1'-0"



6 TOP PANEL BETWEEN B & C
3/8" = 1'-0"



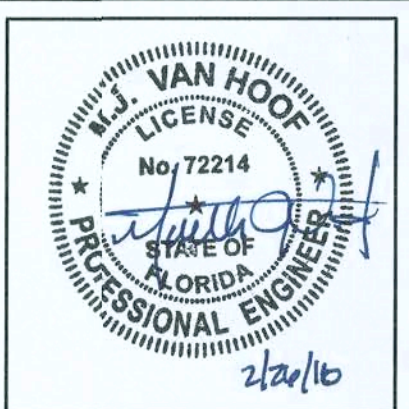
2 PANEL BETWEEN A & B
3/8" = 1'-0"



3 PANEL MARK A, B, E, & F
3/8" = 1'-0"

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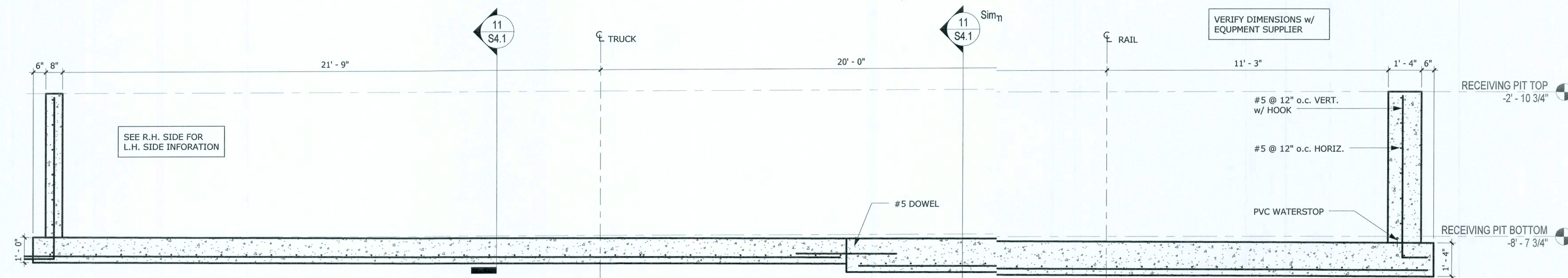


SHEET TITLE:	PRODUCT PANEL SECTION & DETAILS
PROJECT #:	15431
DATE:	2/12/2016
DRAWN BY:	Author

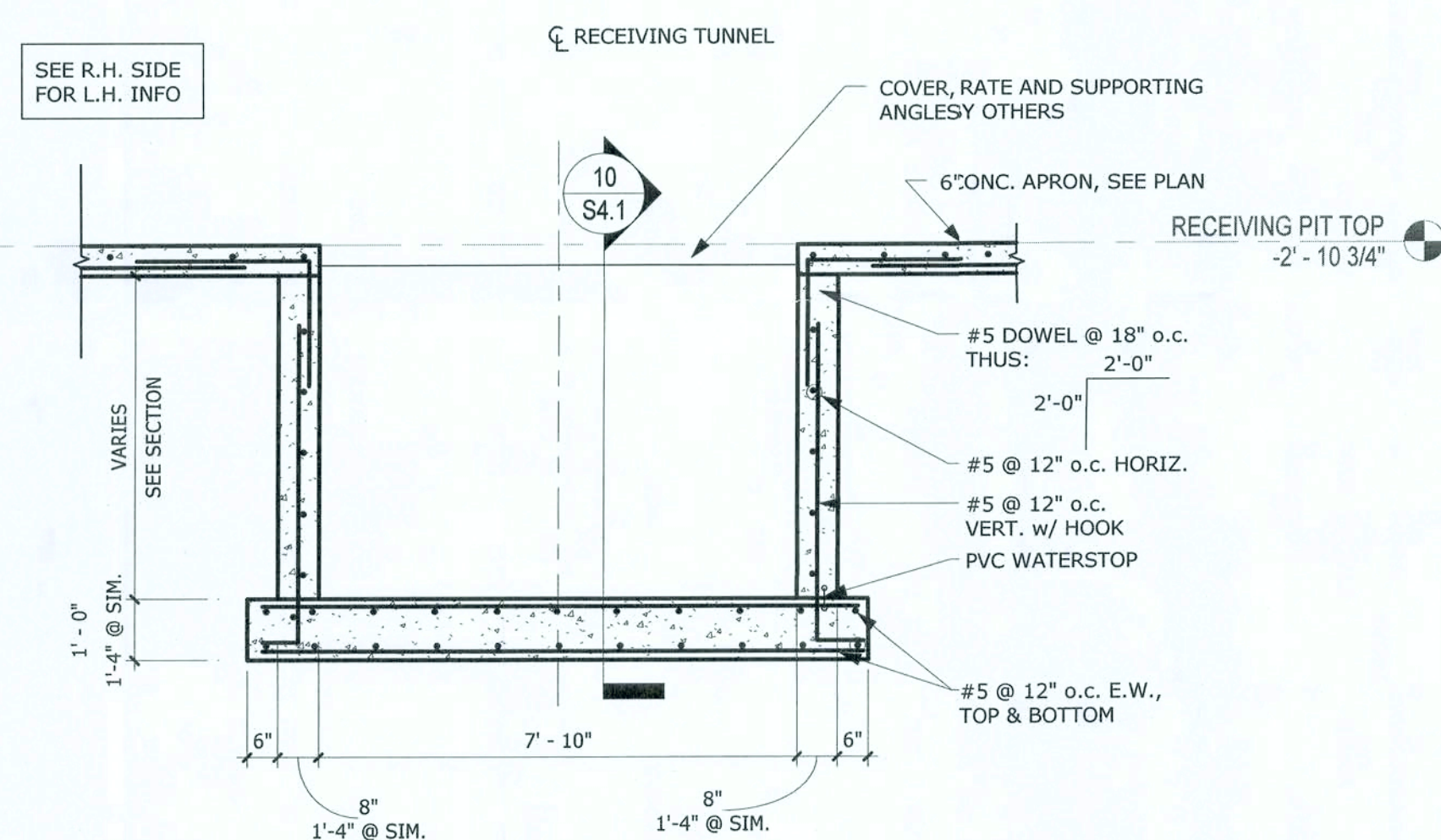
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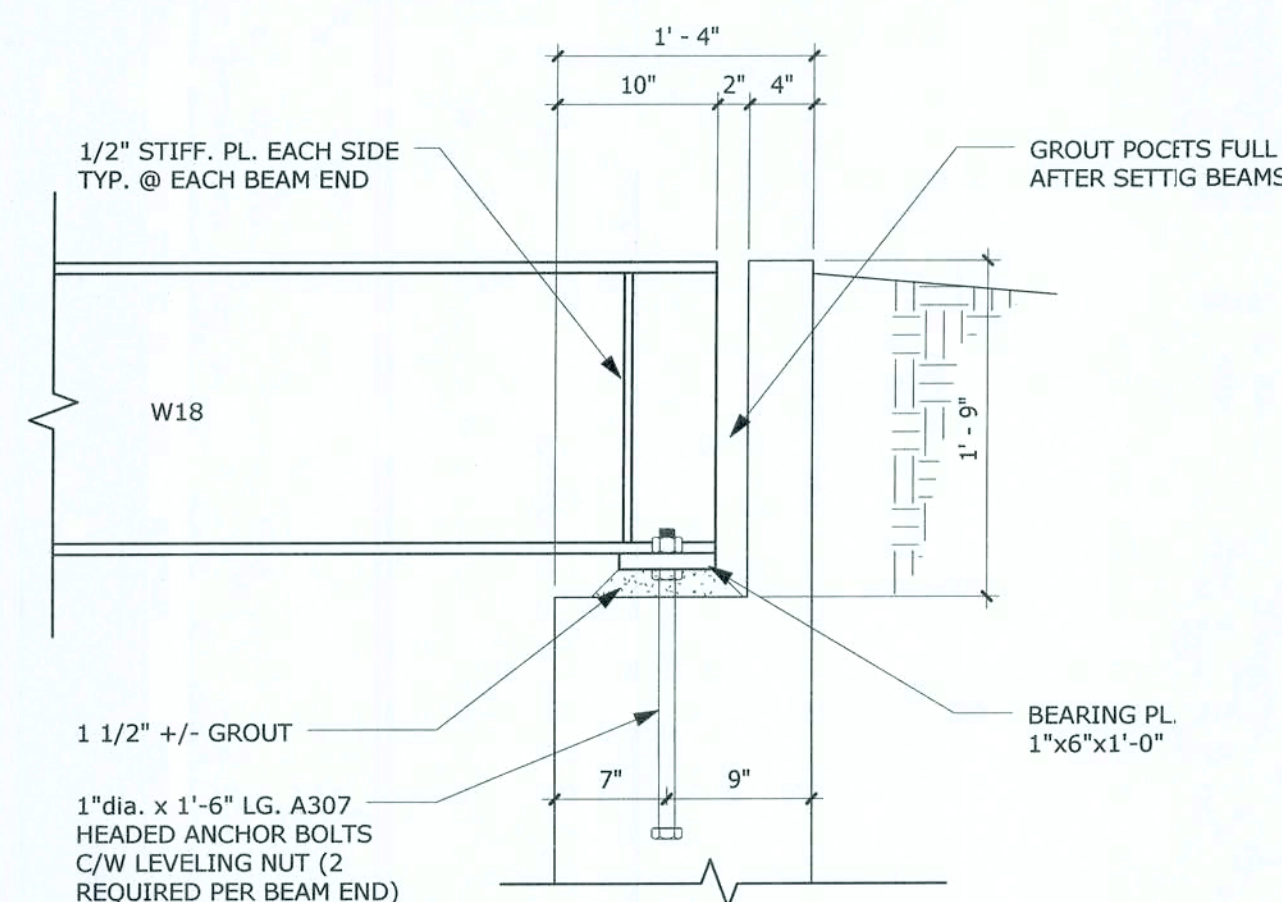
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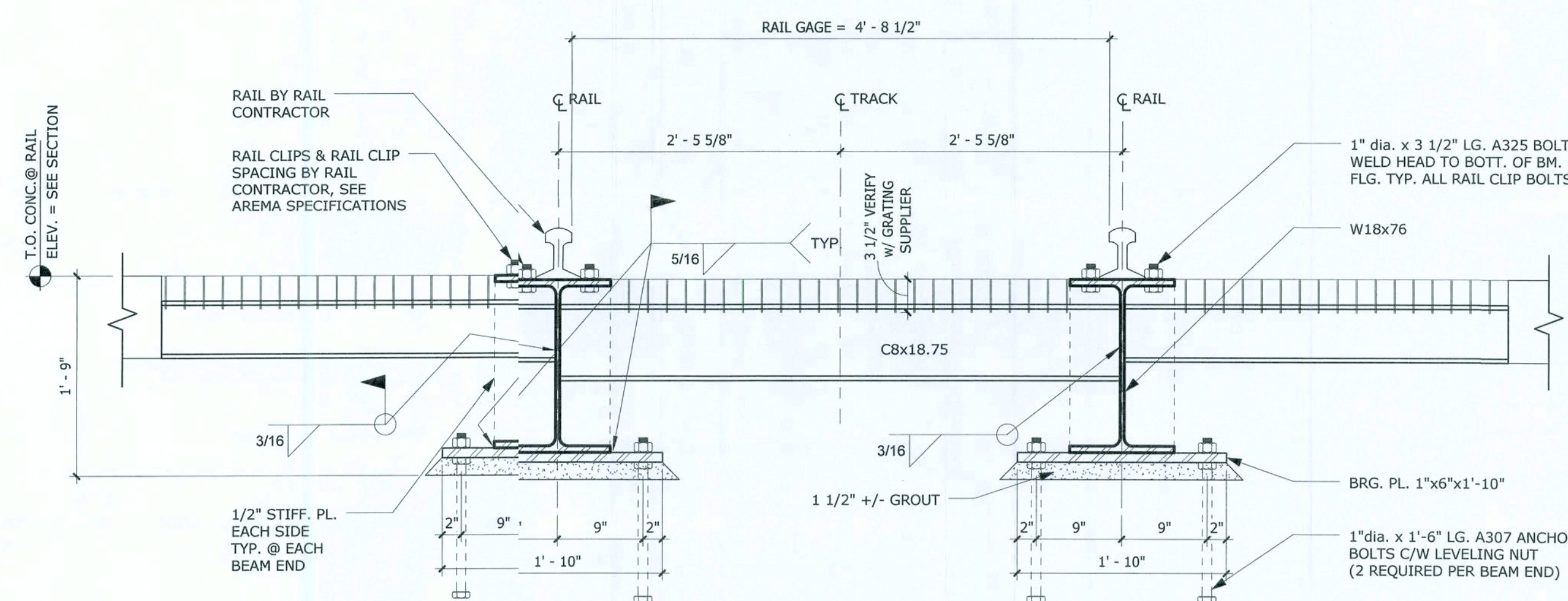
10 Recieving Tunnel Section
3/8" = 1'-0"



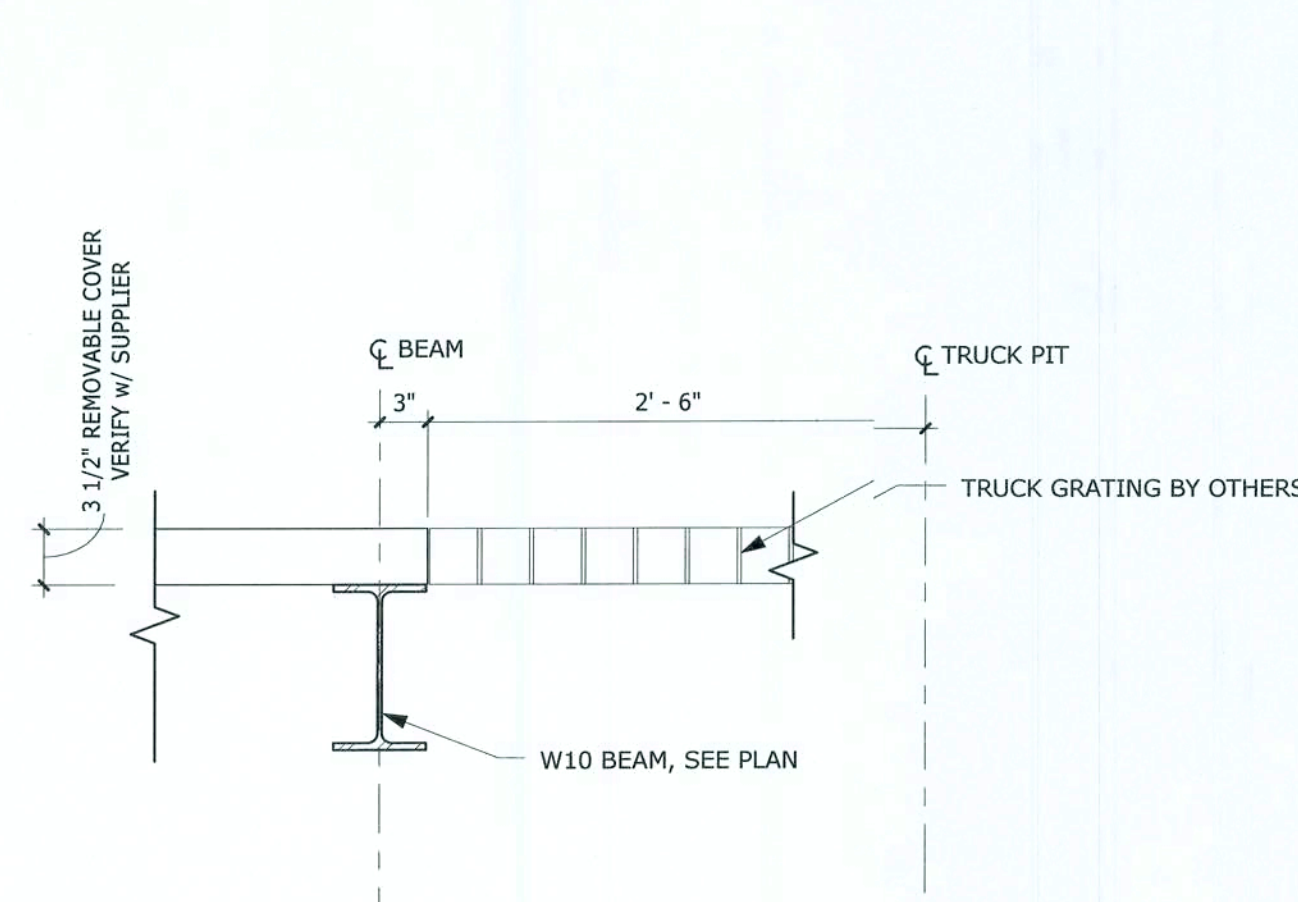
11 TUNNEL SECTION
3/8" = 1'-0"



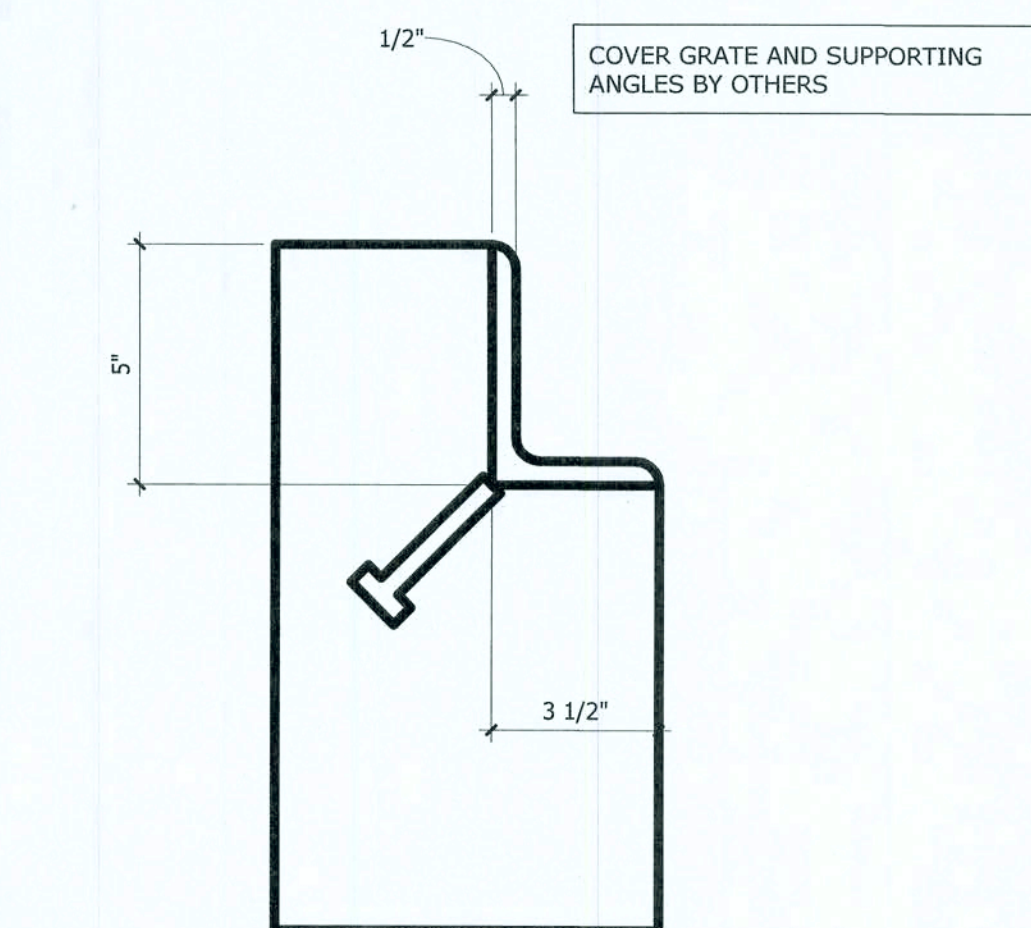
12 SECTION THRU BEAM POCKET
1" = 1'-0"



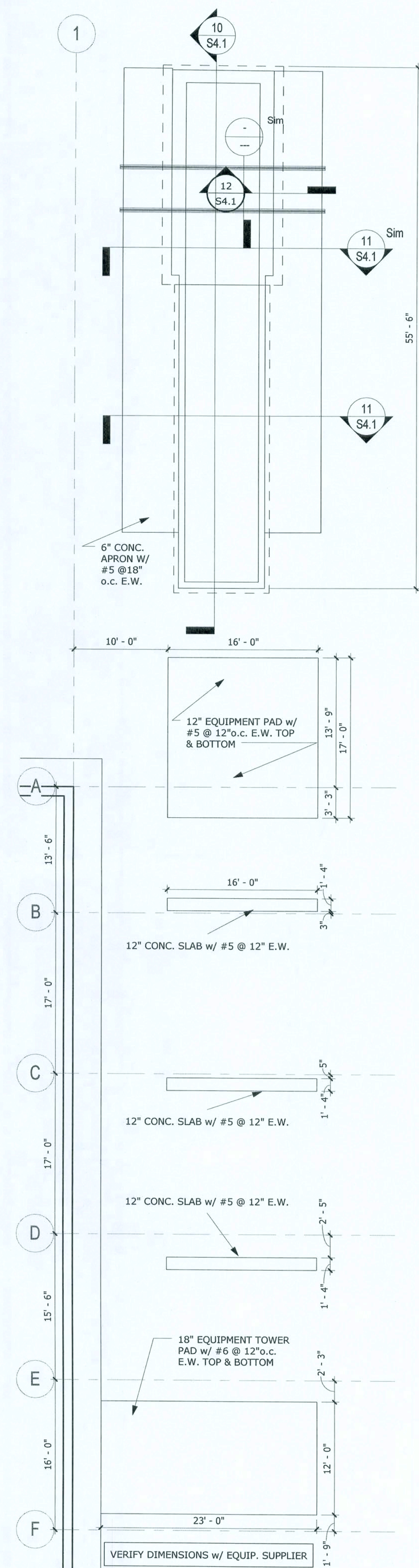
8 SECTION THRU TRACK
1" = 1'-0"



9 SECTION
1" = 1'-0"



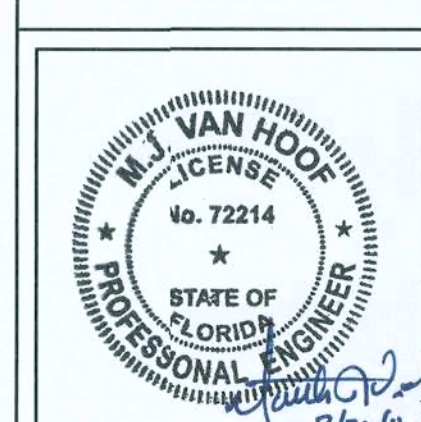
6 Pit angle
3" = 1'-0"



3 FOUNDATION PLAN - Callout 1
1/8" = 1'-0"

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kma@kma-inc.com

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Marcus Construction Co., Inc.
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Winnetka, MN 55093
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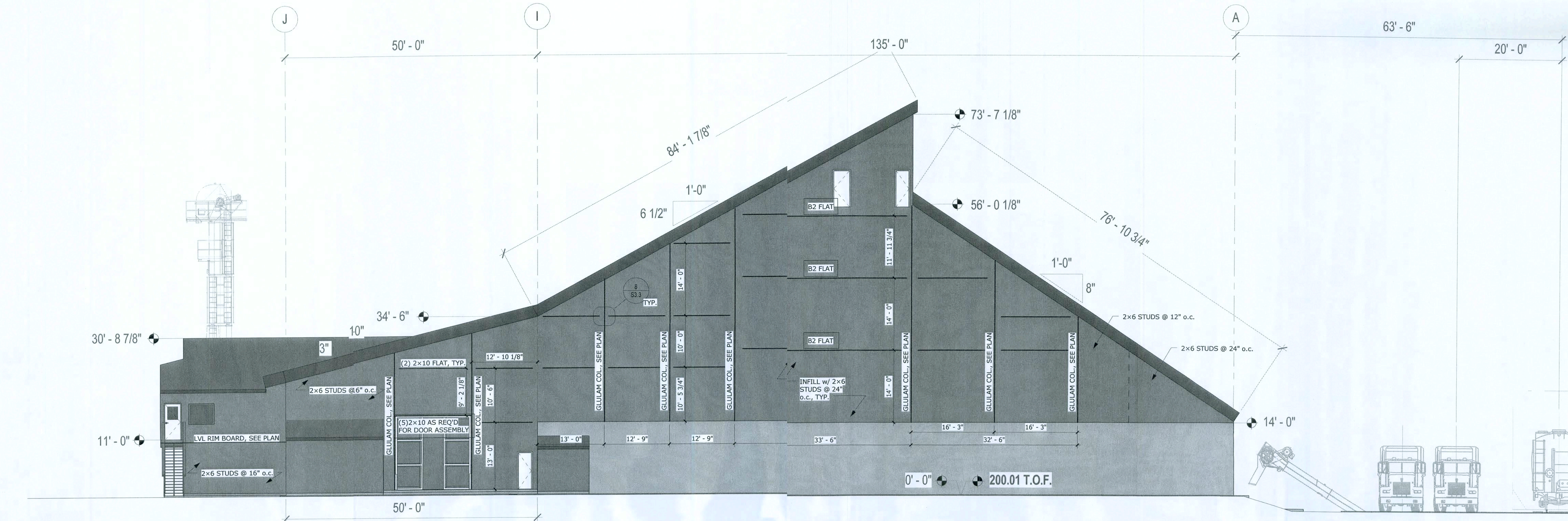
SHEET TITLE:	RECEIVING TUNNEL PLAN
PROJECT #:	15431
DATE:	2/12/2016
DRAWN BY:	CAF

NO.	REVISIONS/ISSUE	DATE

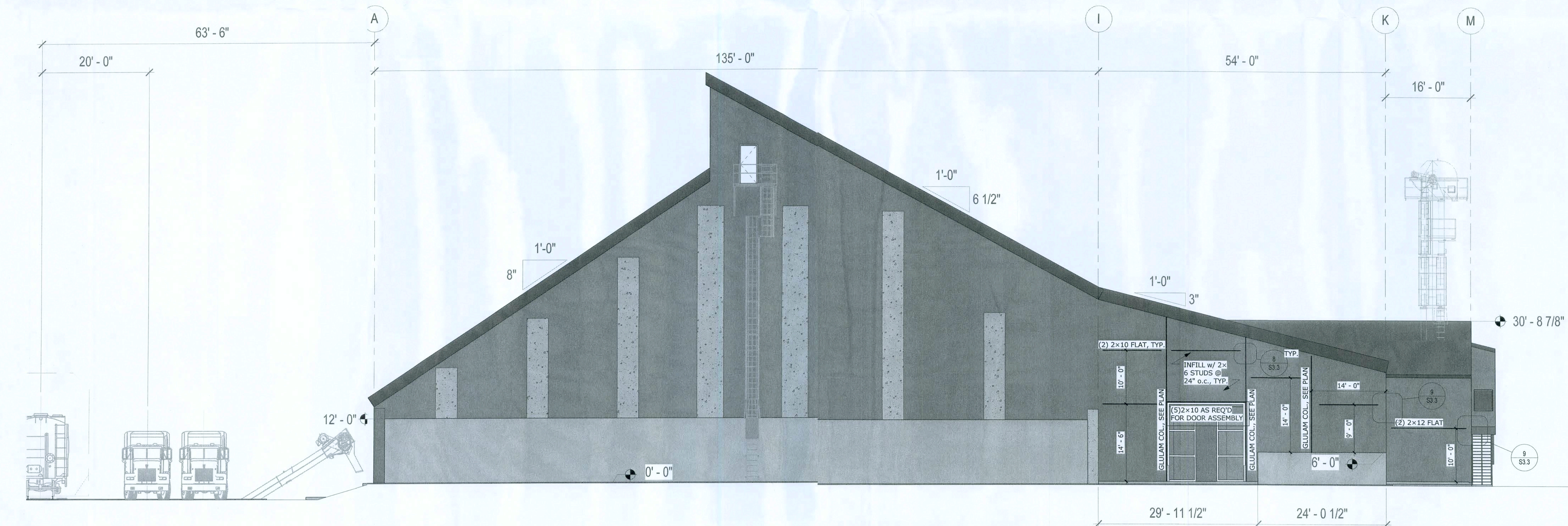
MAYO PLANT FOOD BUILDING
LAKE CITY, FLORIDA

S4.1

2/25/2016 4:27:34 PM C:\Working\Lake_City_FL_Ver_4_Rev_1 (CENTRAL).cat.plt



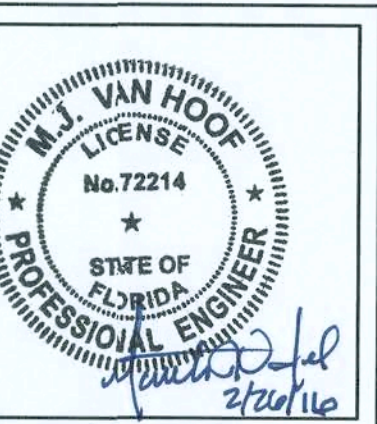
1 EAST ELEVATION
1" = 10'-0"



2 WEST ELEVATION
1" = 10'-0"

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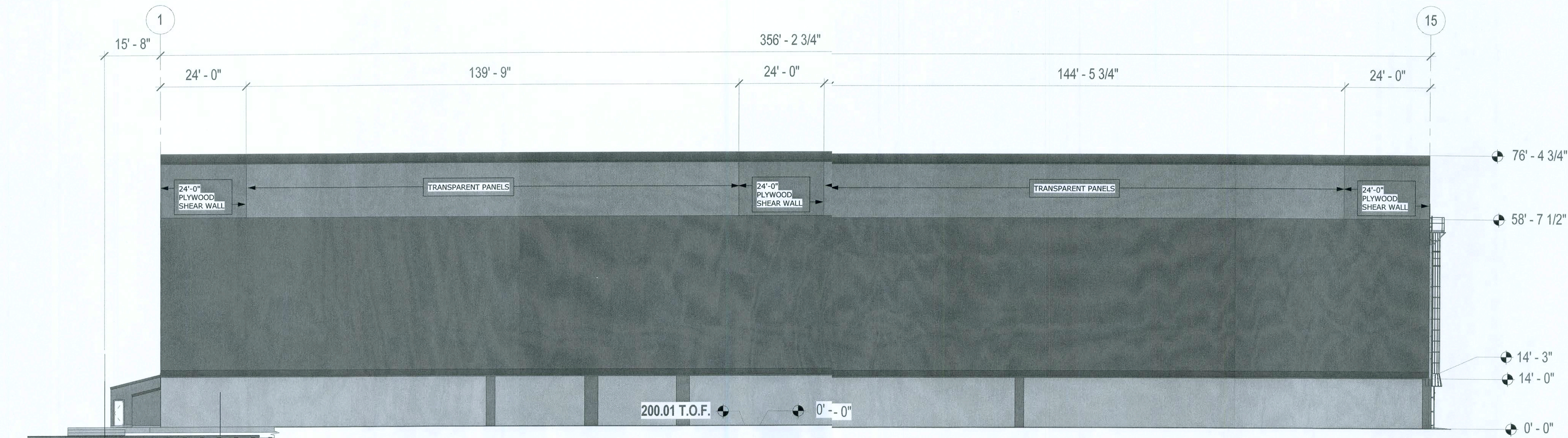


SHEET TITLE:	EAST & WEST ELEVATIONS
PROJECT #:	15431
DATE:	2/12/2016
DRAWN BY:	Author

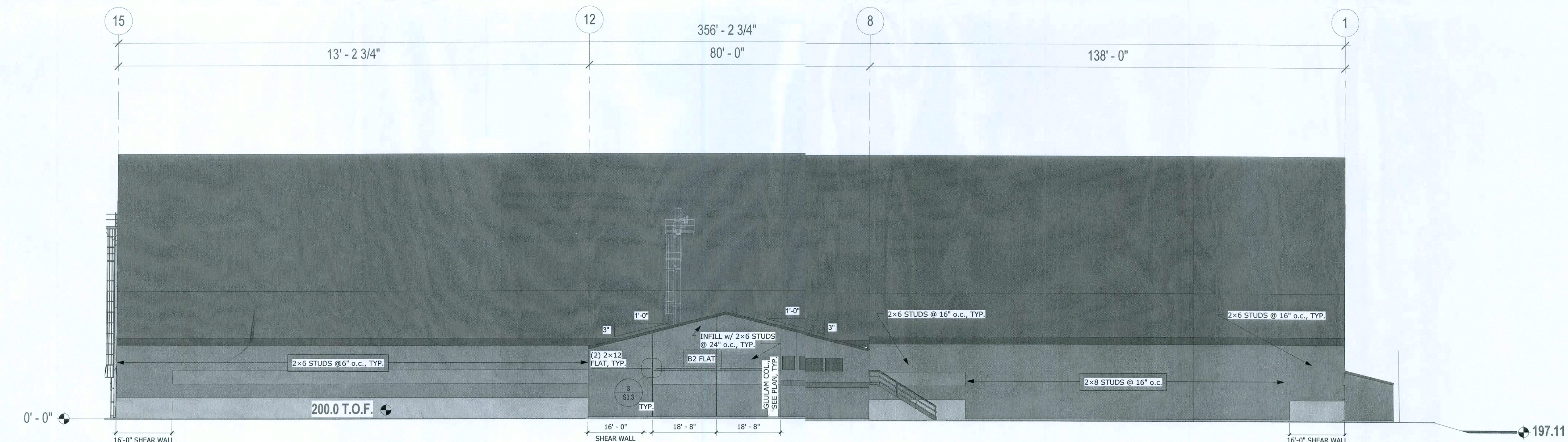
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LAKE CITY, FLORIDA

S5.1



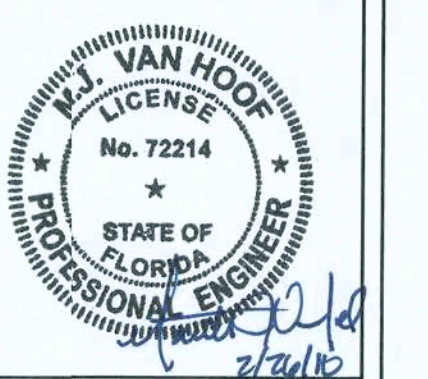
1 NORTH ELEVATION
1/16" = 1'-0"



2 SOUTH ELEVATION
1/16" = 1'-0"

**KRECH, O'BRIEN,
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Marcus Construction Co., Inc.
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Toll Free (800) 353-3424
Fax (207) 222-6826

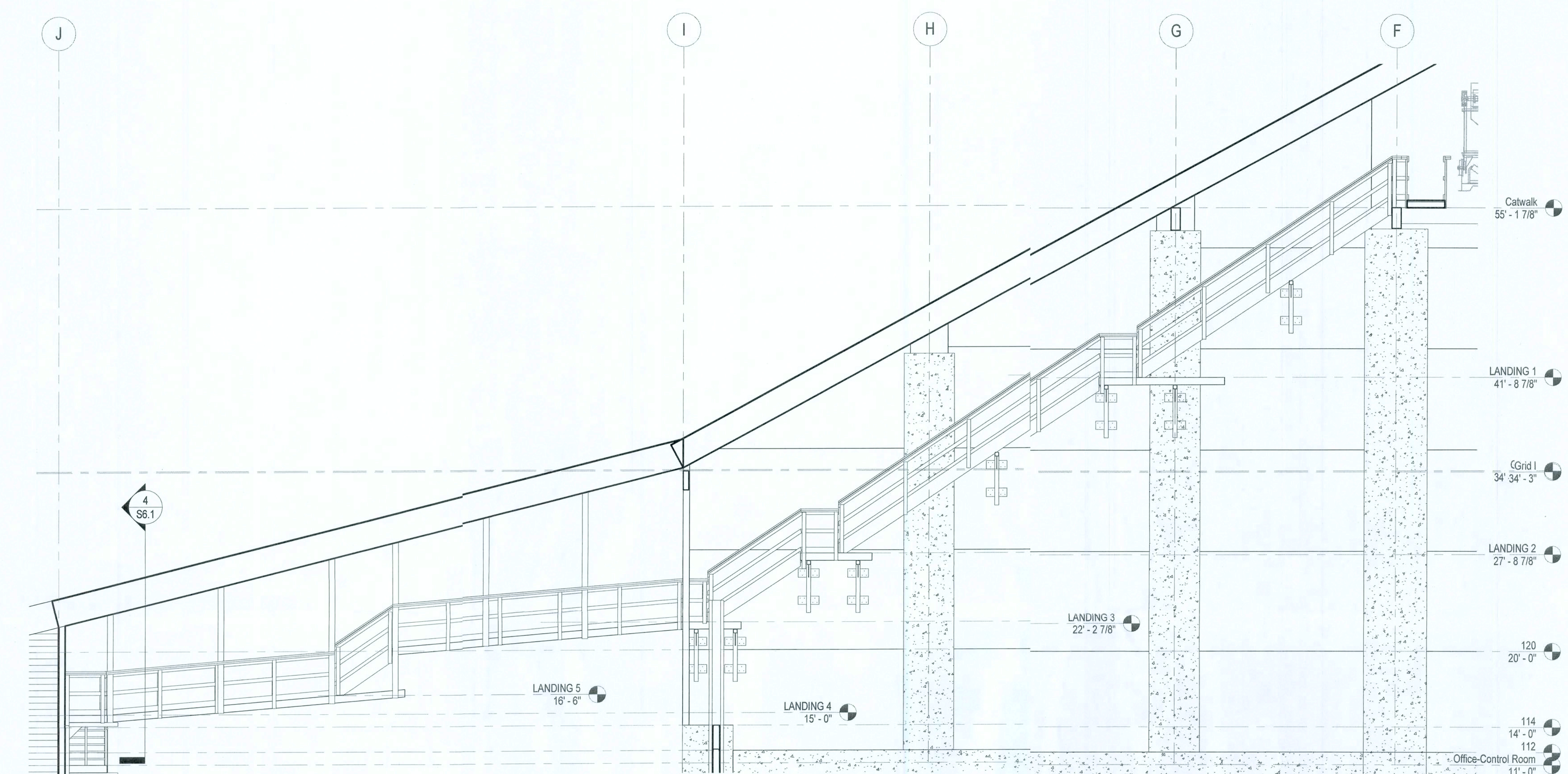


SHEET TITLE:	NORTH & SOUTH ELEVATIONS
PROJECT #:	15431
DATE:	2/12/2016
DRAWN BY:	Author

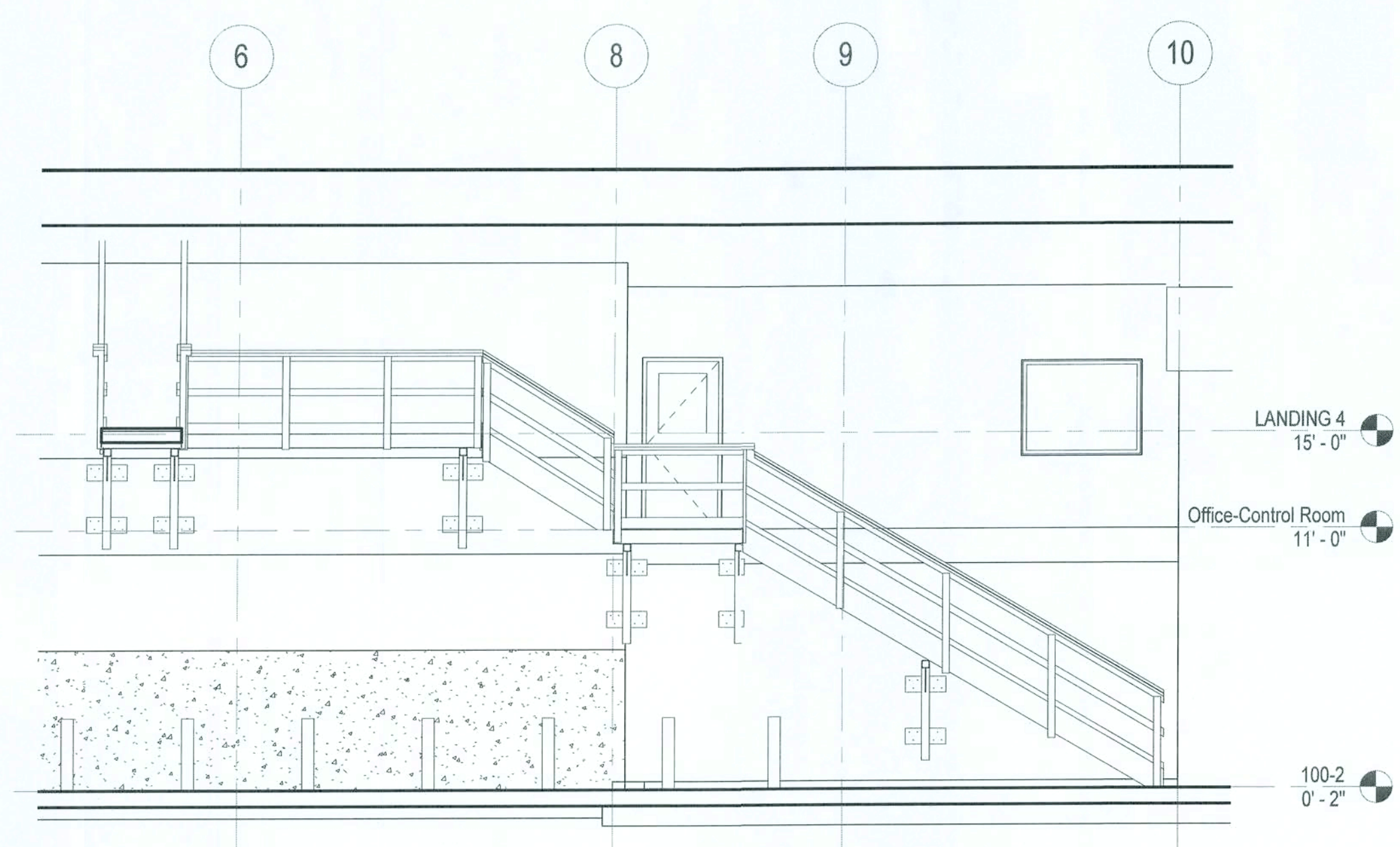
NO.	REVISIONS/ISSUE	DATE

MAYO PLANT FOOD BUILDING
LAKE CITY, FLORIDA

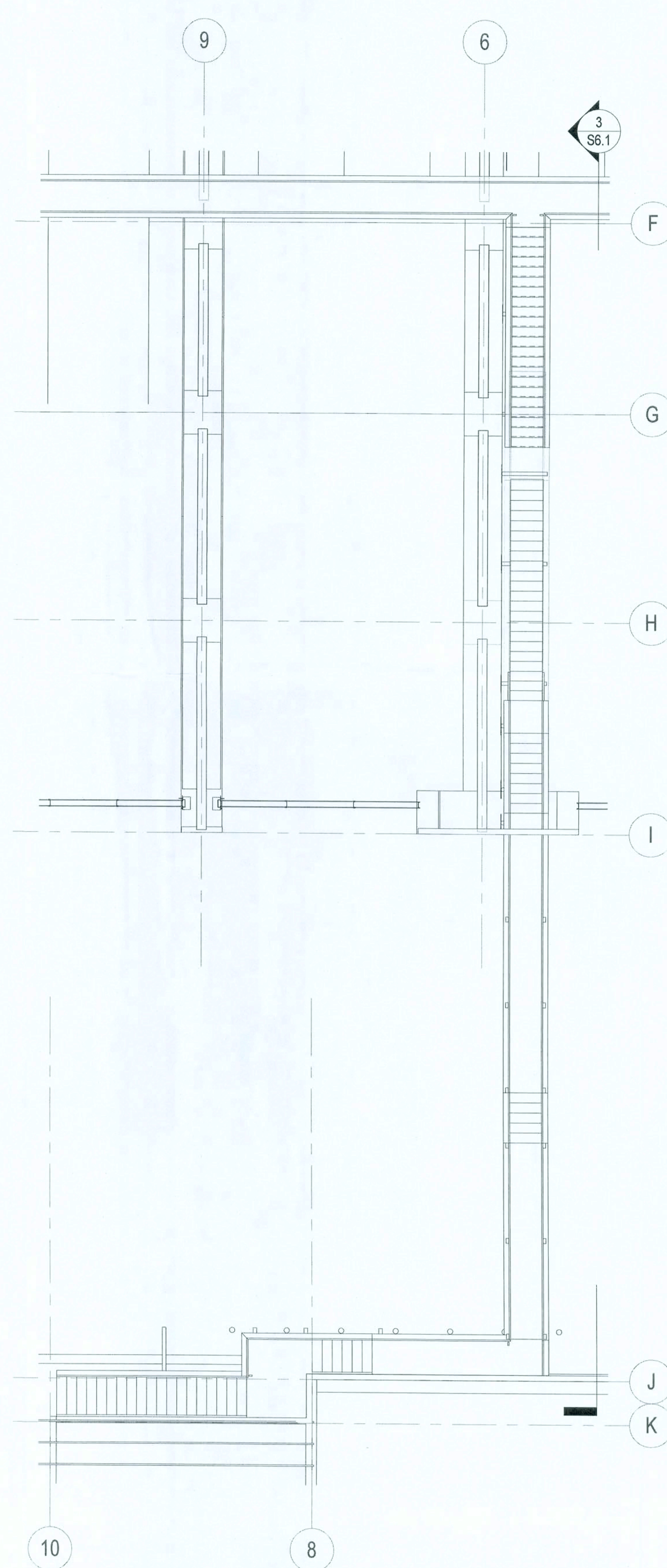
S5.2



3 CATWALK FRAMING ELEVATION @ BIN C
3/16" = 1'-0"



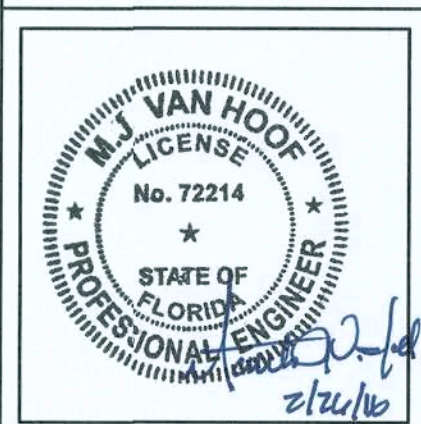
4 CATWALK FRAMING ELEVATION @ OFFICE
3/16" = 1'-0"



2 ENLARGED FRAMING PLAN - CATWALK
1/8" = 1'-0"

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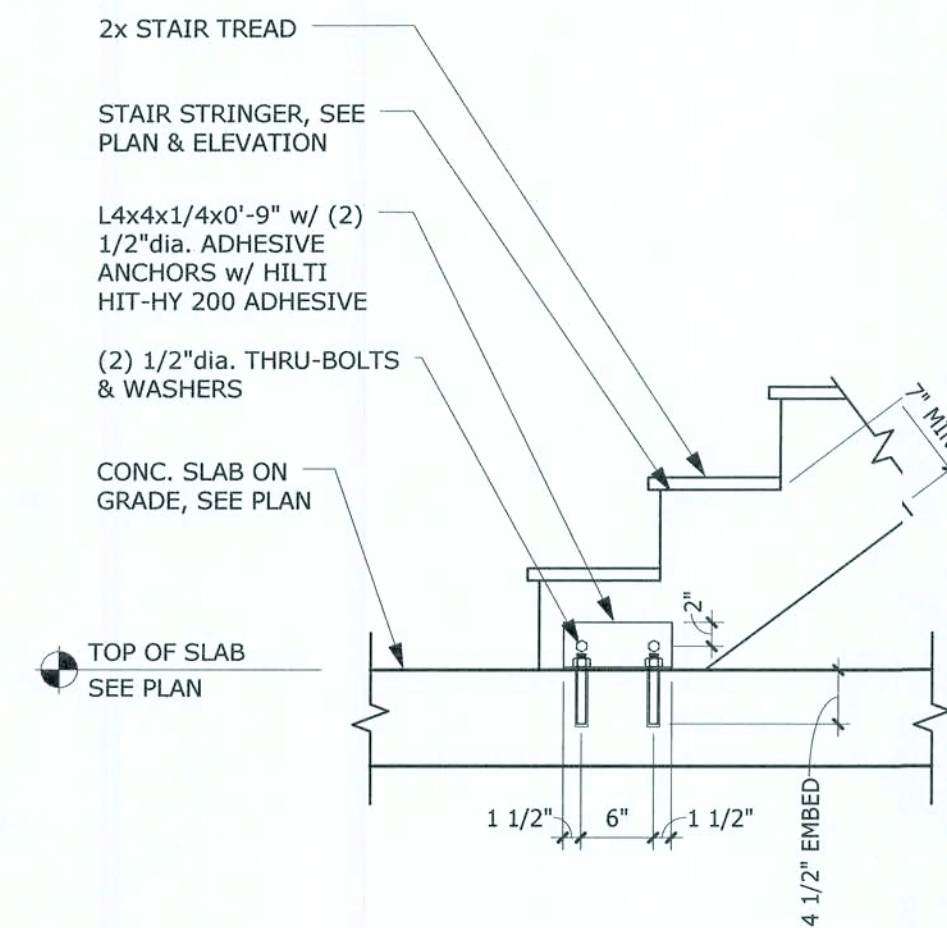


SHEET TITLE:	CATWALK PLAN AND SECTIONS
PROJECT #:	15431
DATE:	2/12/2016
DRAWN BY:	Author

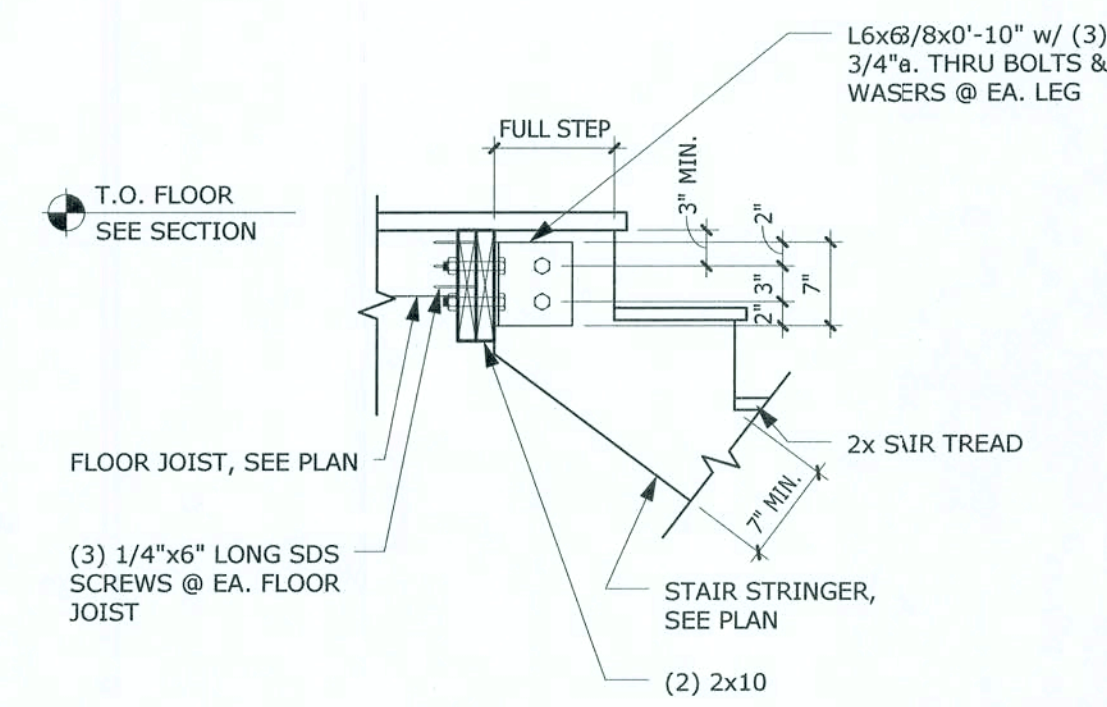
NO.	REVISIONS/ISSUE	DATE

MAYO PLANT FOOD BUILDING
LAKE CITY, FLORIDA

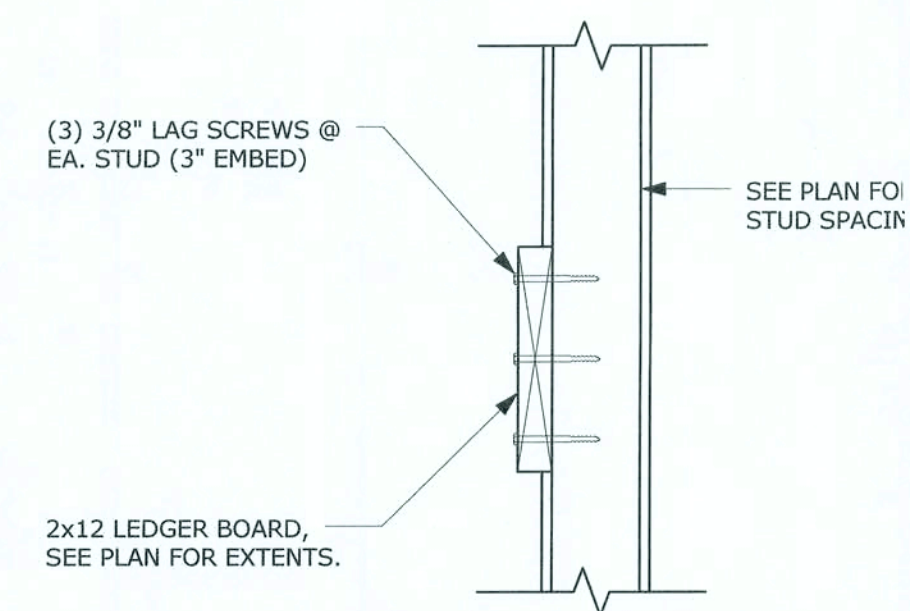
S6.1



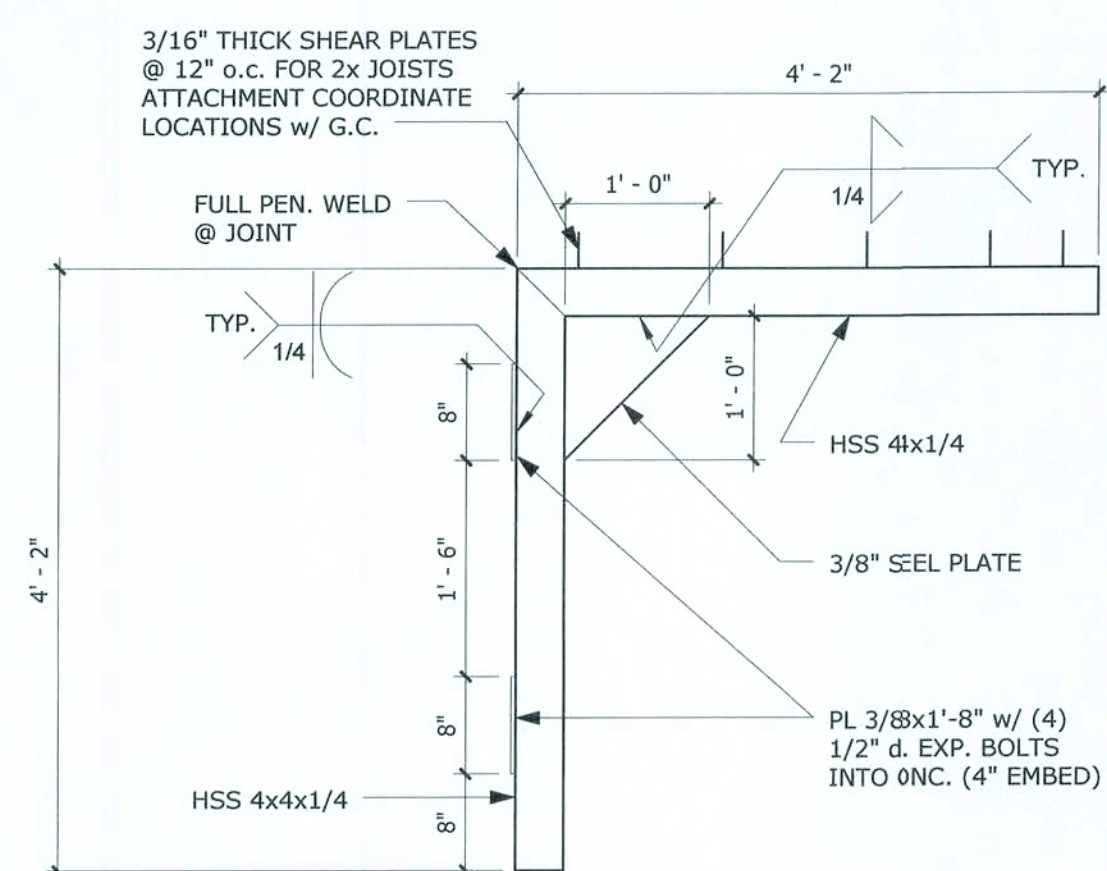
13 STAIR CONN. @ CONC. FLOOR
3/4" = 1'-0"



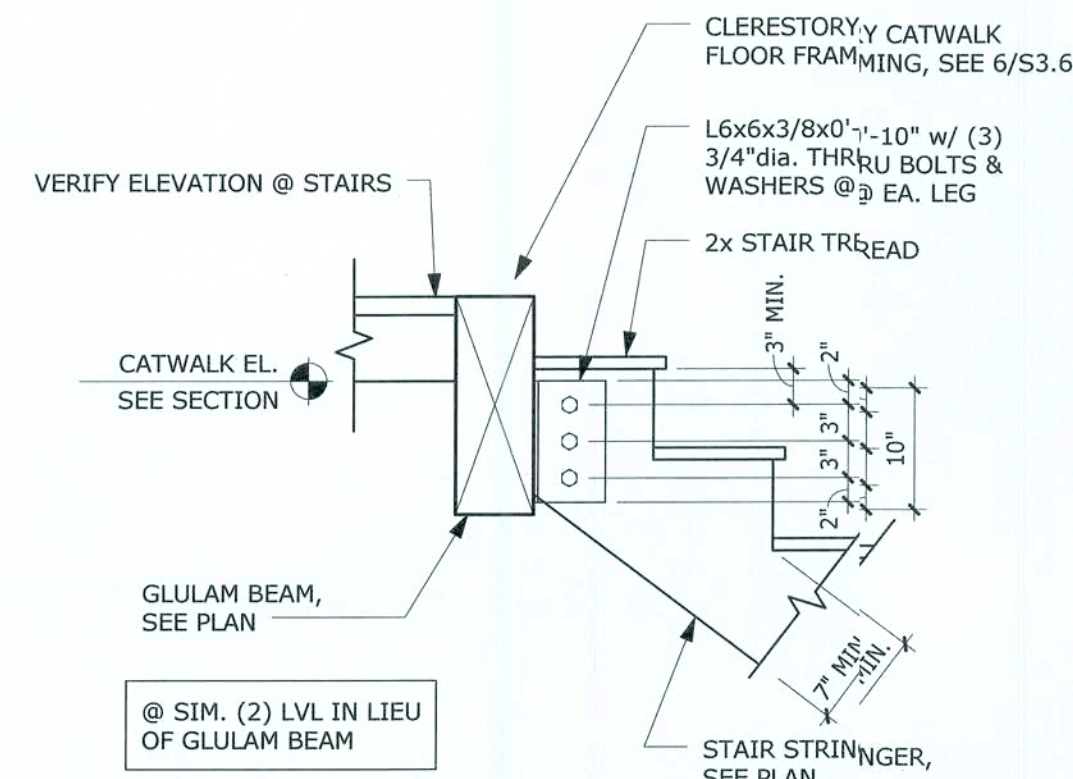
14 STRINGER CONN. @ LANDING
3/4" = 1'-0"



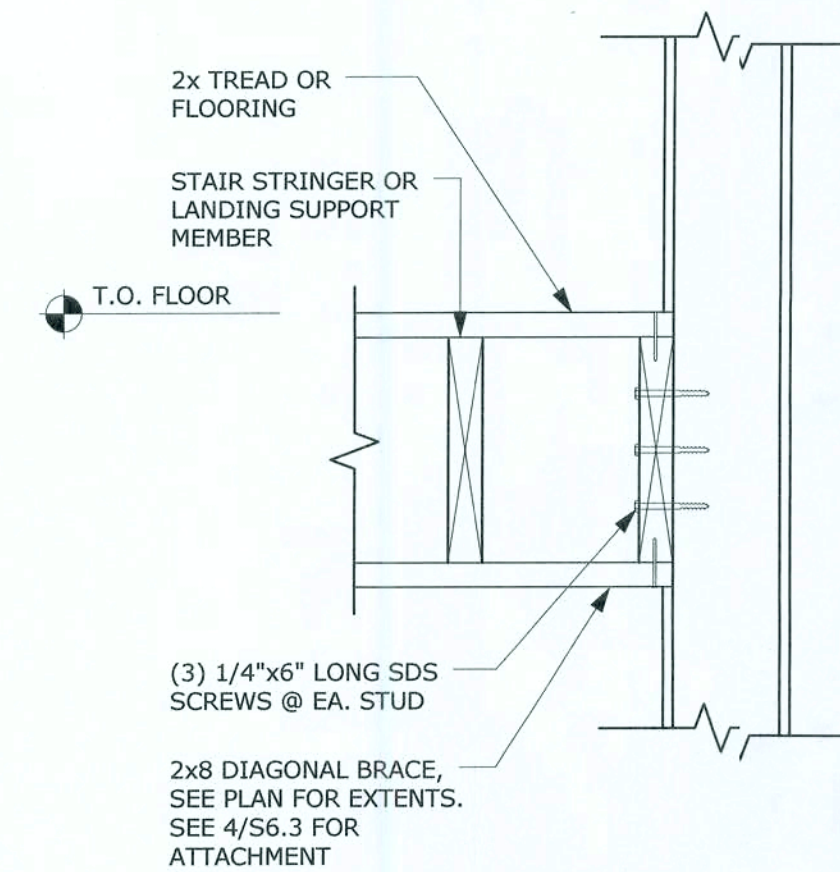
15 LEDGER BOARD DETAIL
1" = 1'-0"



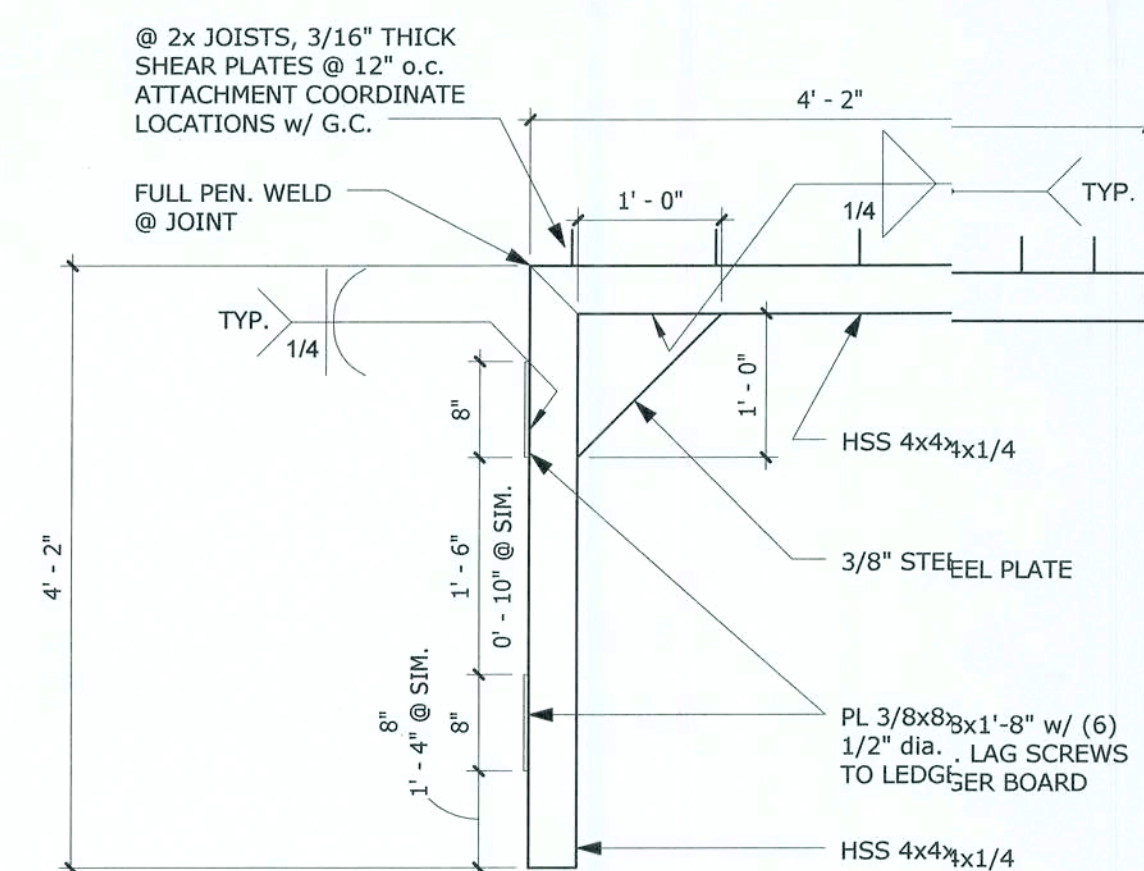
16 STEEL BRACKET TYPE 'B'
3/4" = 1'-0"



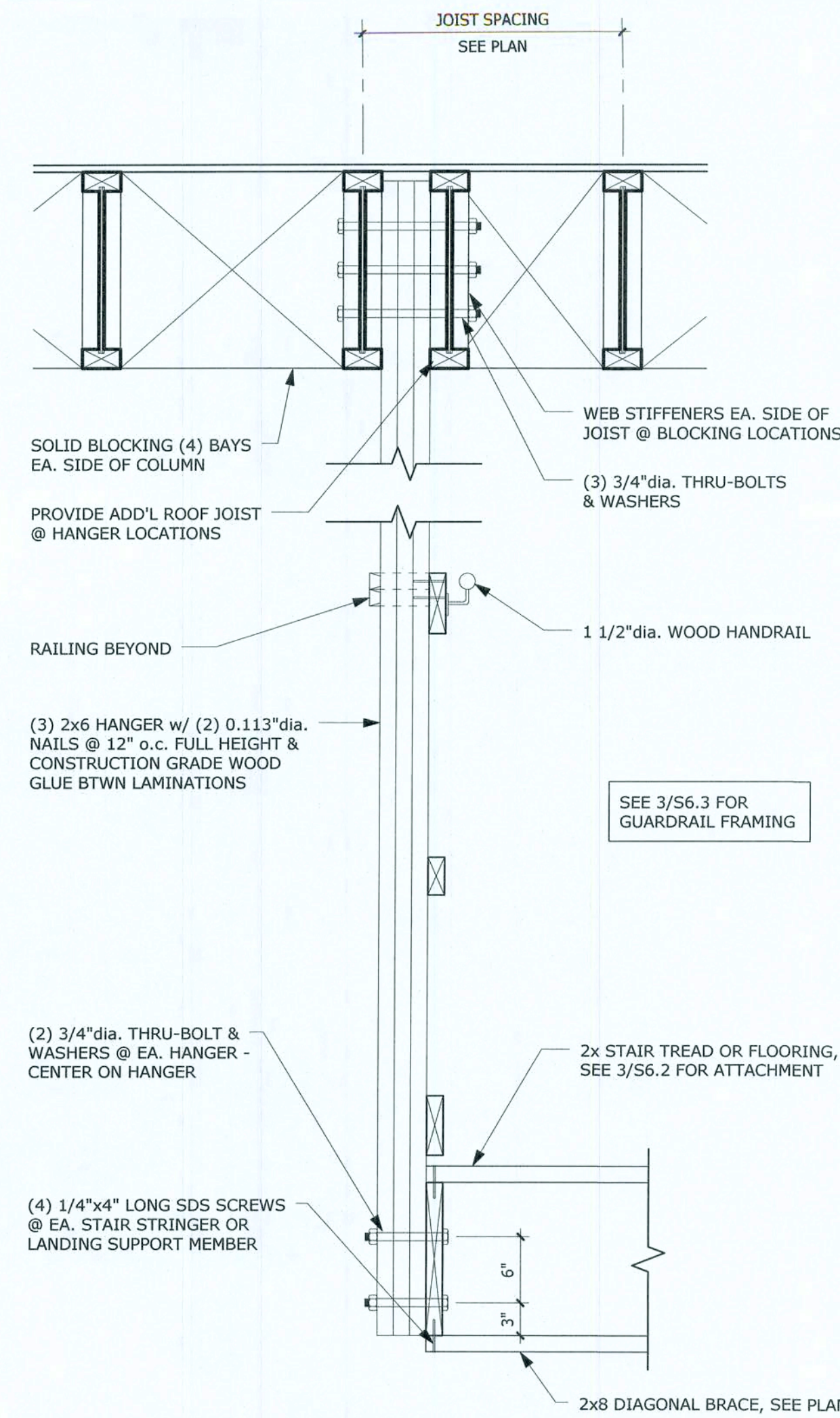
9 STRINGER CONN. @ CLERESTORY
3/4" = 1'-0"



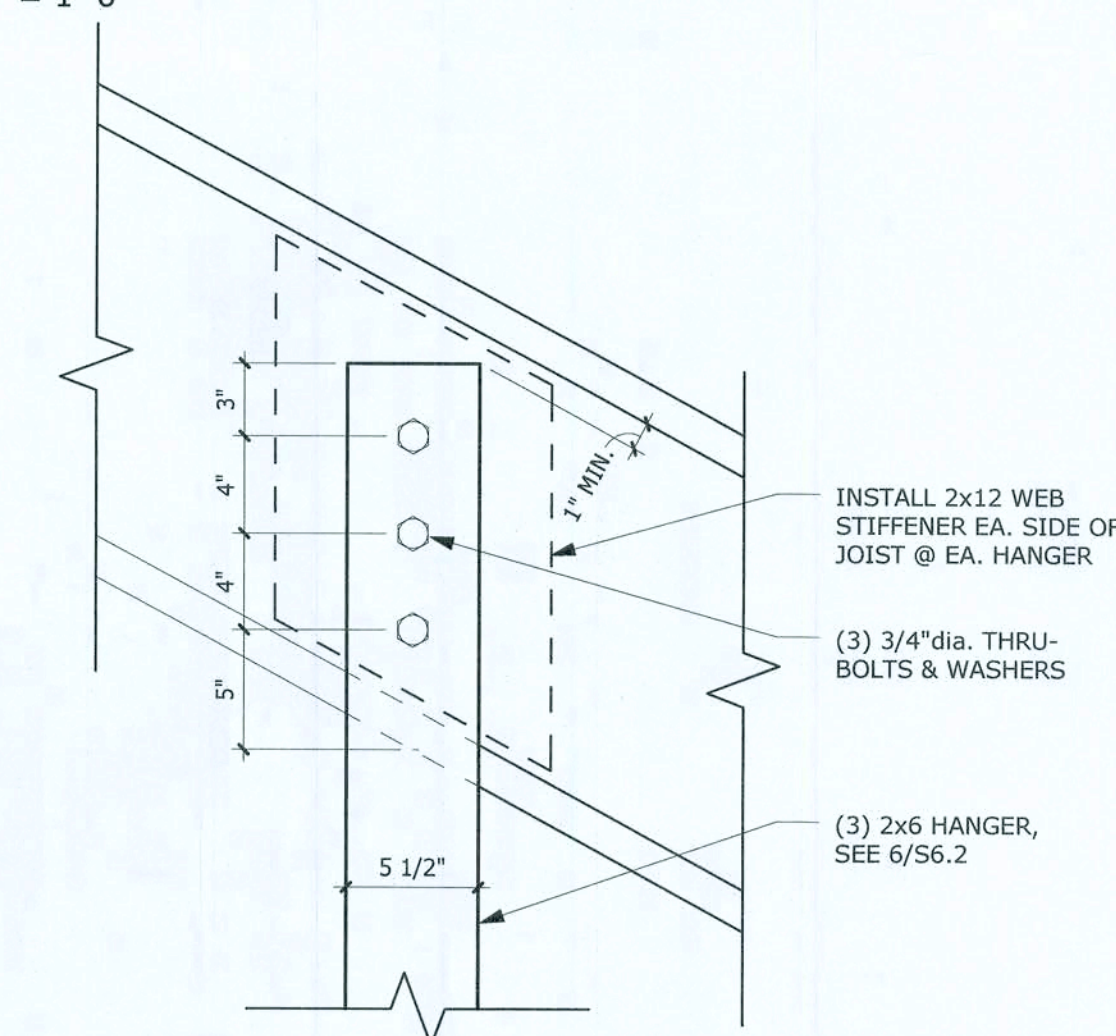
11 PLATFORM ATTACHMENT @ WALL
1" = 1'-0"



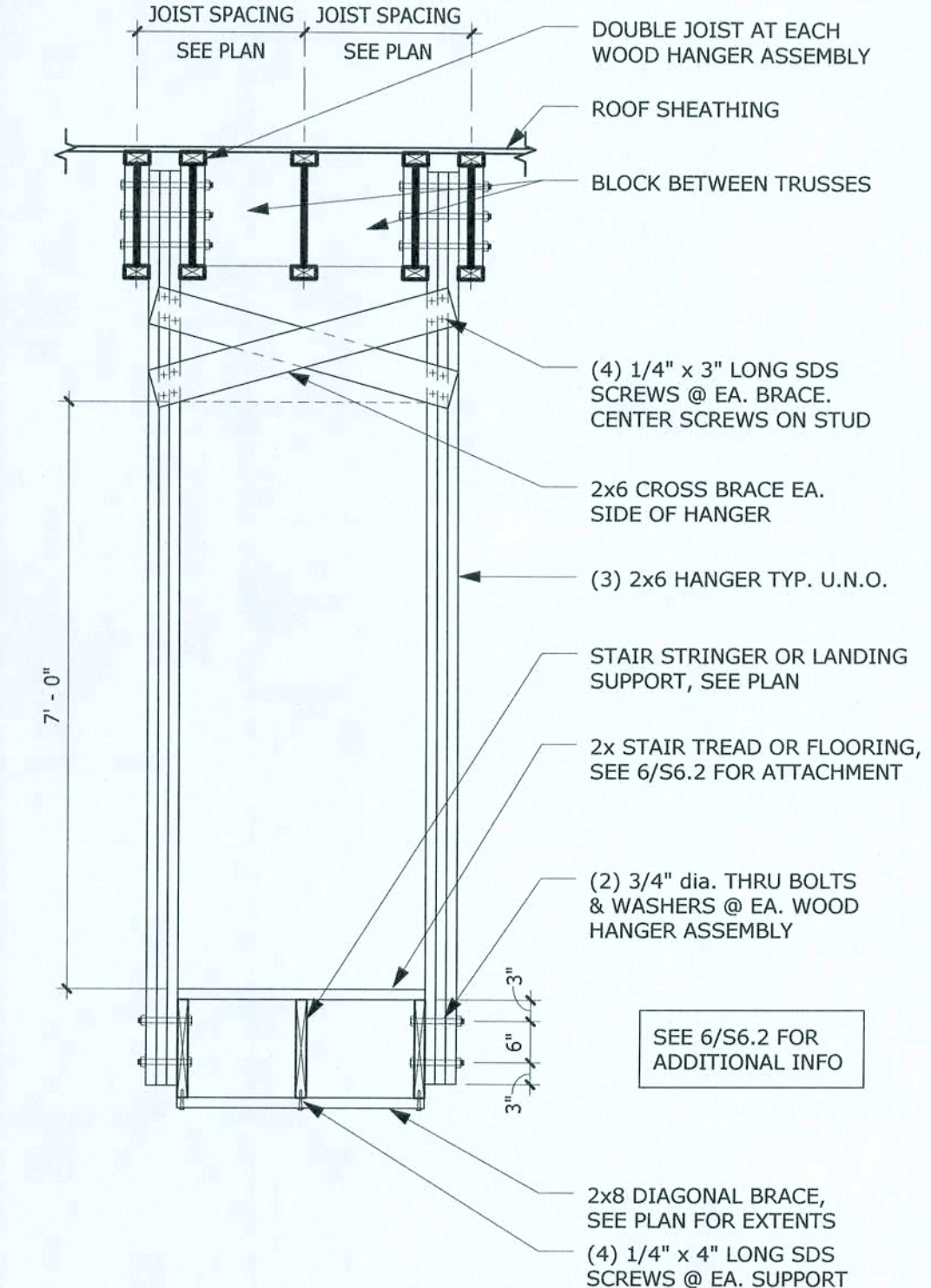
12 STEEL BRACKET TYPE 'A'
3/4" = 1'-0"



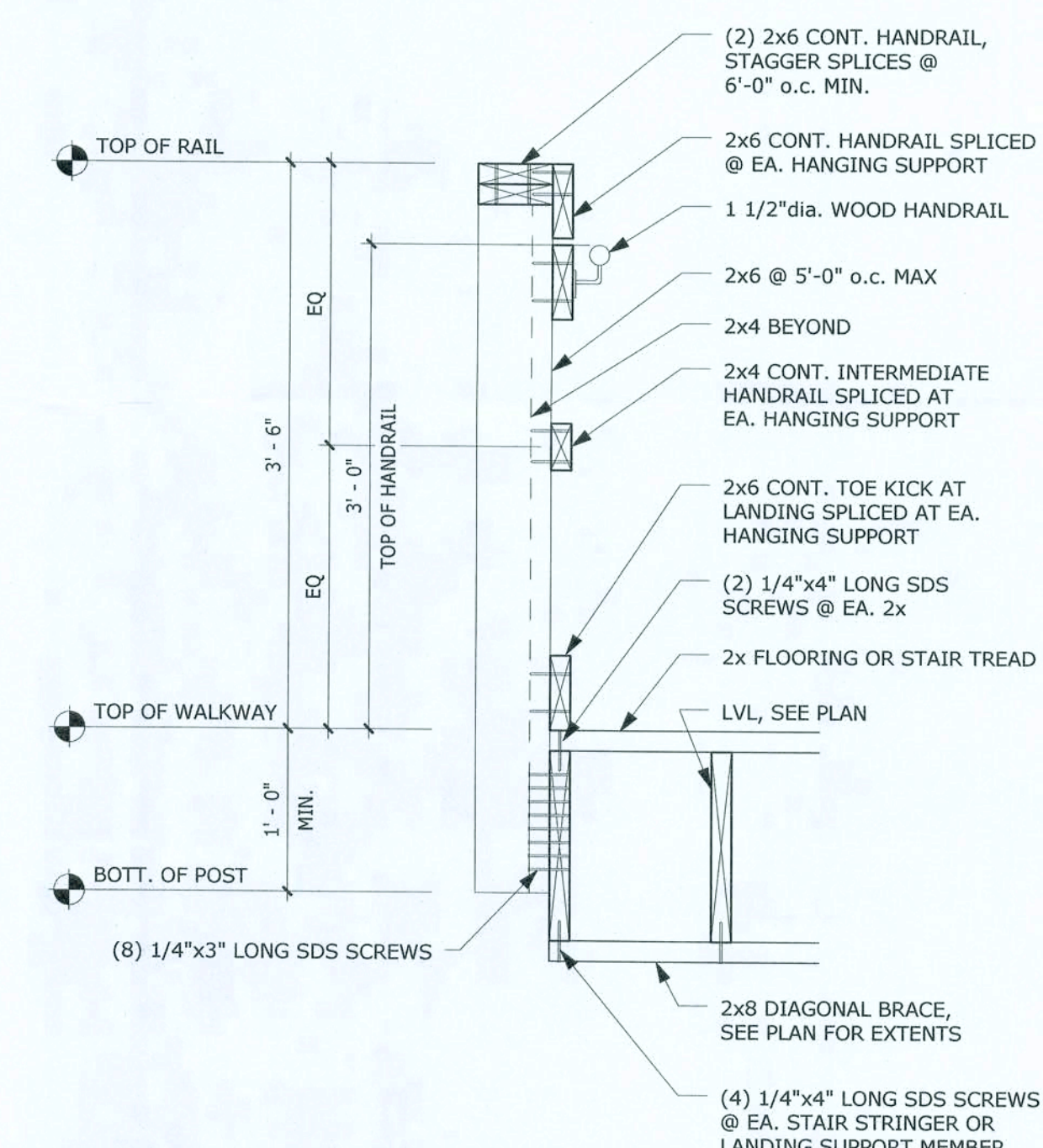
6 SECTION @ HUNG STAIR OR LANDING
1" = 1'-0"



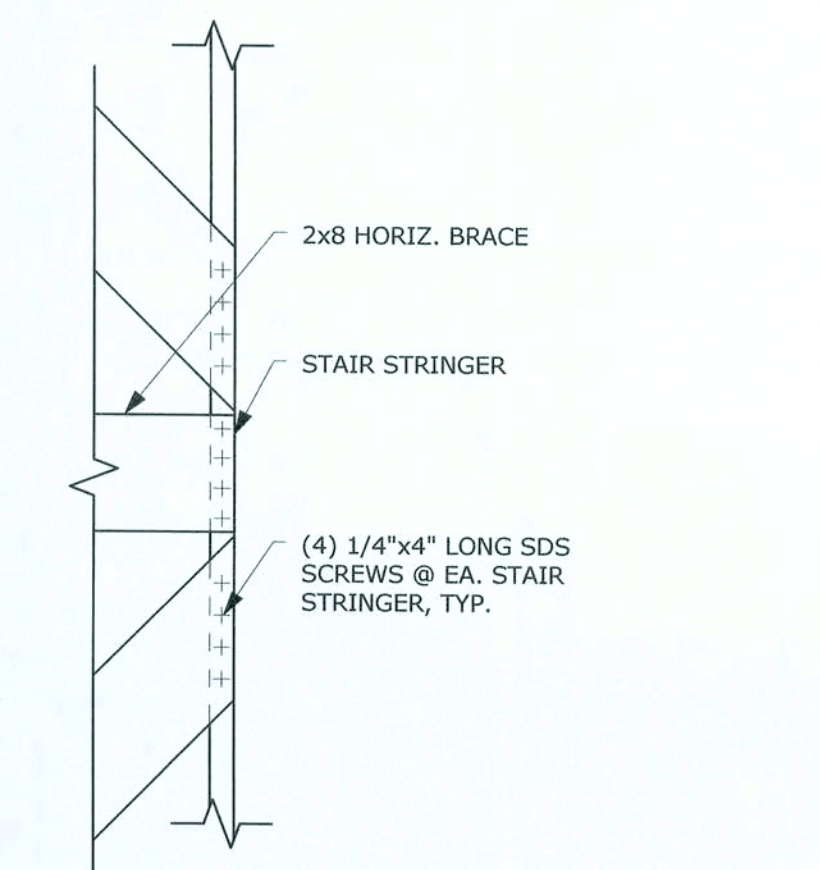
7 HANGER DETAIL @ JOIST
1 1/2" = 1'-0"



1 SECTION @ HUNG STAIR OR LANDING
1/2" = 1'-0"



3 SECTION @ STAIR/ LANDING GUARDRAIL
1" = 1'-0"



4 DETAIL
1" = 1'-0"

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VAN HOO
LICENSE
No. 72214
STATE OF MINN
PROFESSIONAL ENGINEER
2/22/14

SHEET TITLE:	CATWALK DETAILS
PROJECT #:	15431
DATE:	2/12/2016
DRAWN BY:	DAJ

NO.	REVISIONS/ISSUE	DATE

MAYO PLANT FOOD BUILDING
LAKE CITY, FLORIDA

S6.2

COLUMN SCHEDULE				
MARK	QTY.	SIZE	BASE PL.	REMARKS
C1	1	5.125x10.5		
C2	9	5.125x12		
C3	1	8.75x10.5		
C4	2	8.75x16.5		

GLULAM BEAM SCHEDULE		
MARK	SIZE	REMARKS
B1	5.125x18	
B2	6.75x15	
B4	6.75x24	
B5	8.75x19.5	
B6	8.75x21	
B7	8.75x27	
B8	8.75x34.5	
B9	8.75x40.5	
B10	8.75x42	
B11	8.75x43.5	
B12	8.75x51	
B13	8.75x52.5	

JOIST SCHEDULE						
MARK	OPTION #1		OPTION #2		WEB STIFF.	COMMENTS
	DEPTH	SIZE	DEPTH	SIZE		
J-1	16"	PWI 60	14"	RED-165	NONE REQ'D	@ 2'-0" O.C.
J-2	16"	PWI 60	14"	RED-165	NONE REQ'D	@ 2'-0" O.C.
J-3	18"	PWI 70	18"	RED-165	NONE REQ'D	@ 2'-0" O.C.
J-4	18"	PWI 70	18"	RED-165	NONE REQ'D	@ 2'-0" O.C.
J-5	18"	PWI 70	18"	RED-165	EA. END	@ 1'-0" O.C.

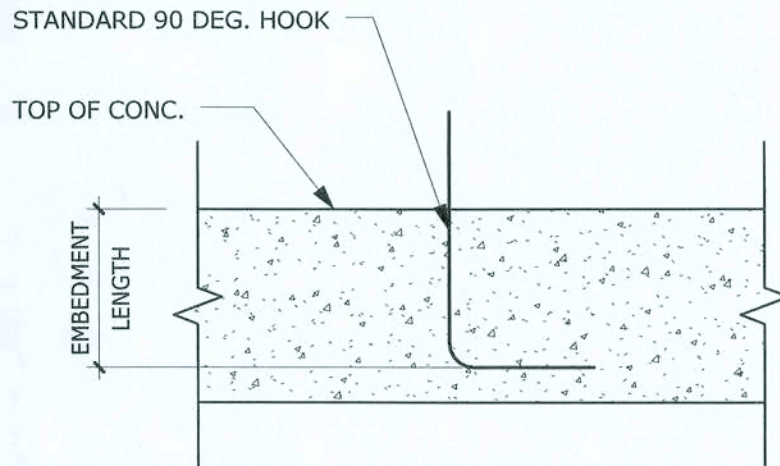
PANEL SCHEDULE							
MARK	QTY PER WALL	SIZE	SIZE @ BIN C	HEIGHT	LENGTH	SPACING	MATERIAL
A	1	(2) 2x12	(2) 2x14	8'-0"	VARIES	8" O.C.	MSR 1950
B	5	(2) 2x12	(2) 2x14	8'-0"	VARIES	12" O.C.	MSR 1950
C	2	2x12	2x14	8'-0"	VARIES	8" O.C.	MSR 1950
D	6	2x12	2x14	8'-0"	VARIES	12" O.C.	MSR 1950
E	1	(2) 2x12	(2) 2x14	8'-0"	VARIES	8" O.C.	SPF #2
F	1	(2) 2x12	(2) 2x14	8'-0"	VARIES	12" O.C.	SPF #2
G	5	2x12	2x14	VARIES	VARIES	8" O.C.	SPF #2
H	3	2x12	2x14	VARIES	VARIES	12" O.C.	SPF #2
I	3	2x12	2x14	VARIES	VARIES	12" O.C. VERT.	SPF #2
J	3	2x12	2x14	VARIES	VARIES	12" O.C. VERT.	SPF #2
NOTES: 1. WOOD PROPERTIES: MSR 1950: Fb=15,950 PSI Fv=173 PSI Fc=18,800 PSI E=1500 KSI SPF #2: Fb=875 PSI Fv=70 PSI Fc=1150 PSI E=1400 KSI 2. 1/2" MIN. PLYWOOD EACH FACE OF WALL PANELS, TYPICAL 3. NAIL ALL PLYWOOD PANEL BOUNDARIES W/ 0.113" dia. NAILS @ 6" O.C., NAIL W/ 0.113" dia. NAILS @ 12" O.C. @ INTERIOR FRAMING MEMBERS 4. ALL PLYWOOD PANEL BOUNDARIES TO BE BLOCKED							

FOUNDATION SCHEDULE		
MARK	SIZE	REINFORCEMENT
F5	5'-0"x5'-0"x1'-6"	(5) #5 BARS EA. WAY

PIER SCHEDULE		
MARK	SIZE	REMARKS
P1	48x30	SEE DRAWING 1/S3.2
P2	48x30	SEE DRAWING 2/S3.2
P3	48x30	SEE DRAWING 3/S3.2
P4	48x30	SEE DRAWING 4/S3.2
P5	48x30	SEE DRAWING 5/S3.2
P6	60x30	SEE DRAWING 6/S3.2
P7	60x30	SEE DRAWING 7/S3.2
P8	48x30	SEE DRAWING 8/S3.2
P9	36" DIA.	SEE DRAWING 9/S3.2
P10	30x30 (30x42 @ KMAG)	SEE DRAWING 10/S3.2

CONCRETE REINFORCEMENT LAP REQUIREMENTS

EMBEDMENT OF STD HOOKS				
BAR SIZE	LENGTH (INCHES)			
	3000	3500	4000	5000
3	9"	8"	8"	7"
4	11"	11"	10"	9"
5	1'-2"	1'-1"	1'-1"	11"
6	1'-5"	1'-4"	1'-3"	1'-1"
7	1'-8"	1'-6"	1'-5"	1'-3"
8	1'-10"	1'-9"	1'-7"	1'-5"
9	2'-1"	1'-11"	1'-10"	1'-8"
10	2'-4"	2'-2"	2'-1"	1'-10"
11	2'-7"	2'-5"	2'-3"	2'-0"



CLASS 'A' REBAR LAPS				
BAR SIZE	LENGTH (INCHES)			
	3000	3500	4000	5000
3	1'-5"	1'-4"	1'-3"	1'-1"
4	1'-10"	1'-9"	1'-7"	1'-5"
5	2'-4"	2'-2"	2'-0"	1'-10"
6	2'-9"	2'-7"	2'-5"	2'-2"
7	4'-0"	3'-9"	3'-6"	3'-2"
8	4'-7"	4'-3"	4'-0"	3'-7"
9	5'-2"	4'-10"	4'-6"	4'-0"
10	5'-10"	5'-5"	5'-1"	4'-6"
11	6'-6"	6'-0"	5'-7"	5'-0"

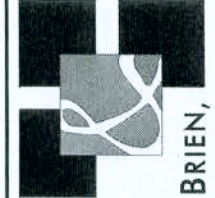
CLASS 'B' REBAR LAPS				
BAR SIZE	LENGTH (INCHES)			
	3000	3500	4000	5000
3	1'-10"	1'-8"	1'-7"	1'-5"
4	2'-5"	2'-3"	2'-1"	1'-11"
5	3'-0"	2'-9"	2'-7"	2'-4"
6	3'-7"	3'-4"	3'-1"	2'-10"
7	5'-3"	4'-10"	4'-6"	4'-1"
8	6'-0"	5'-6"	5'-2"	4'-8"
9	6'-9"	6'-3"	5'-10"	5'-3"
10	7'-7"	7'-0"	6'-7"	5'-11"
11	8'-5"	7'-9"	7'-3"	6'-6"

SHEET TITLE:	PROJECT #:	DATE:	DRAWN BY:
SCHEDULES	15431	2/12/2016	CAF

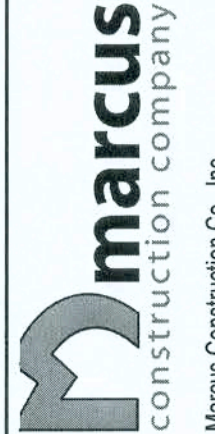
NO.	REVISIONS/ISSUE	DATE

MAYO PLANT FOOD BUILDING LAKE CITY, FLORIDA
--

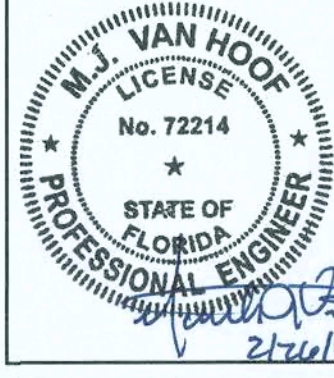
S7.1



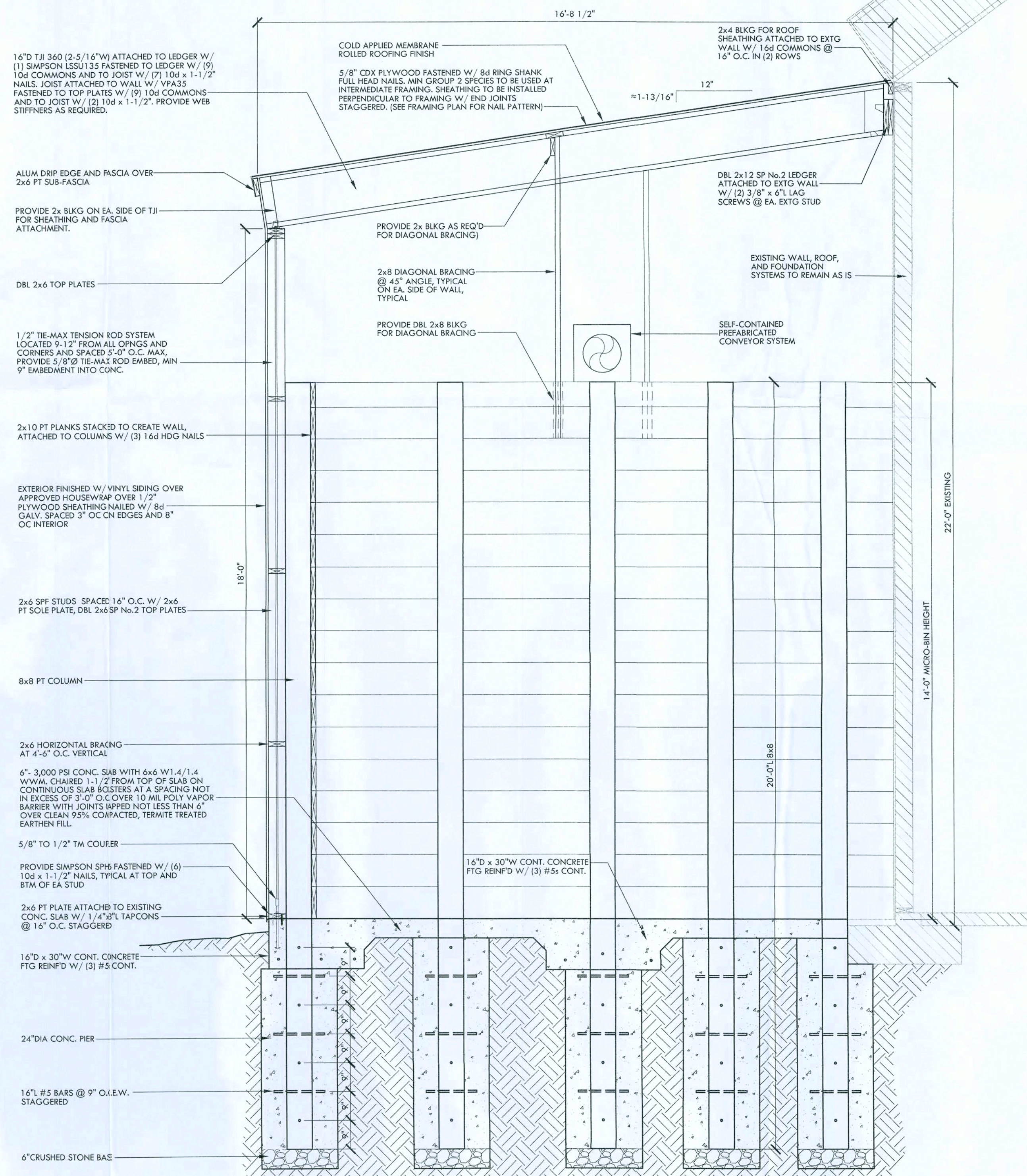
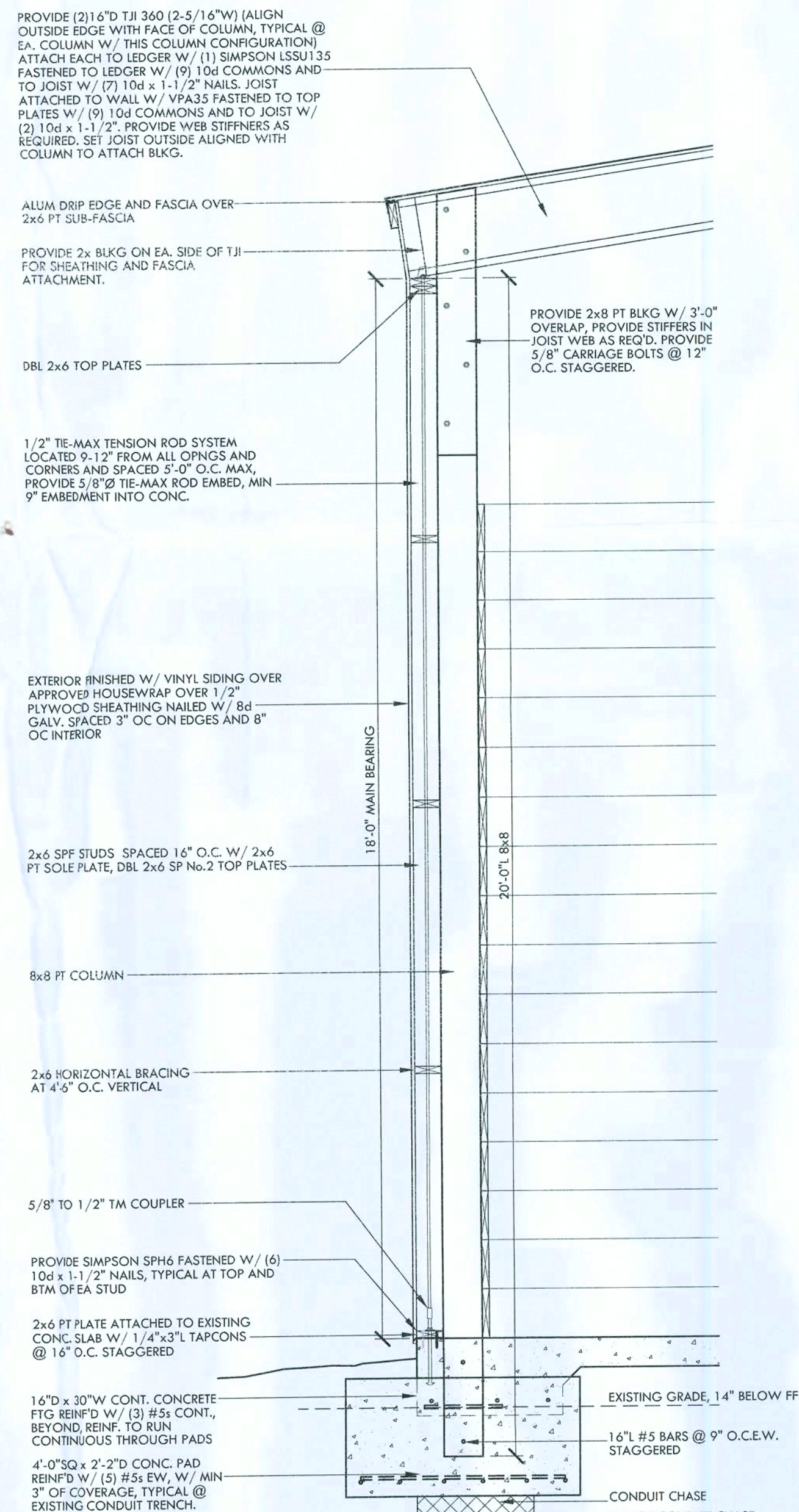
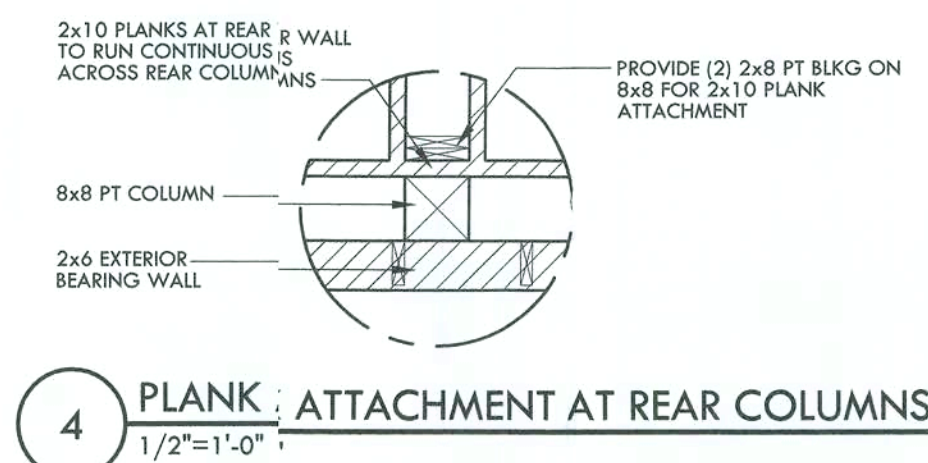
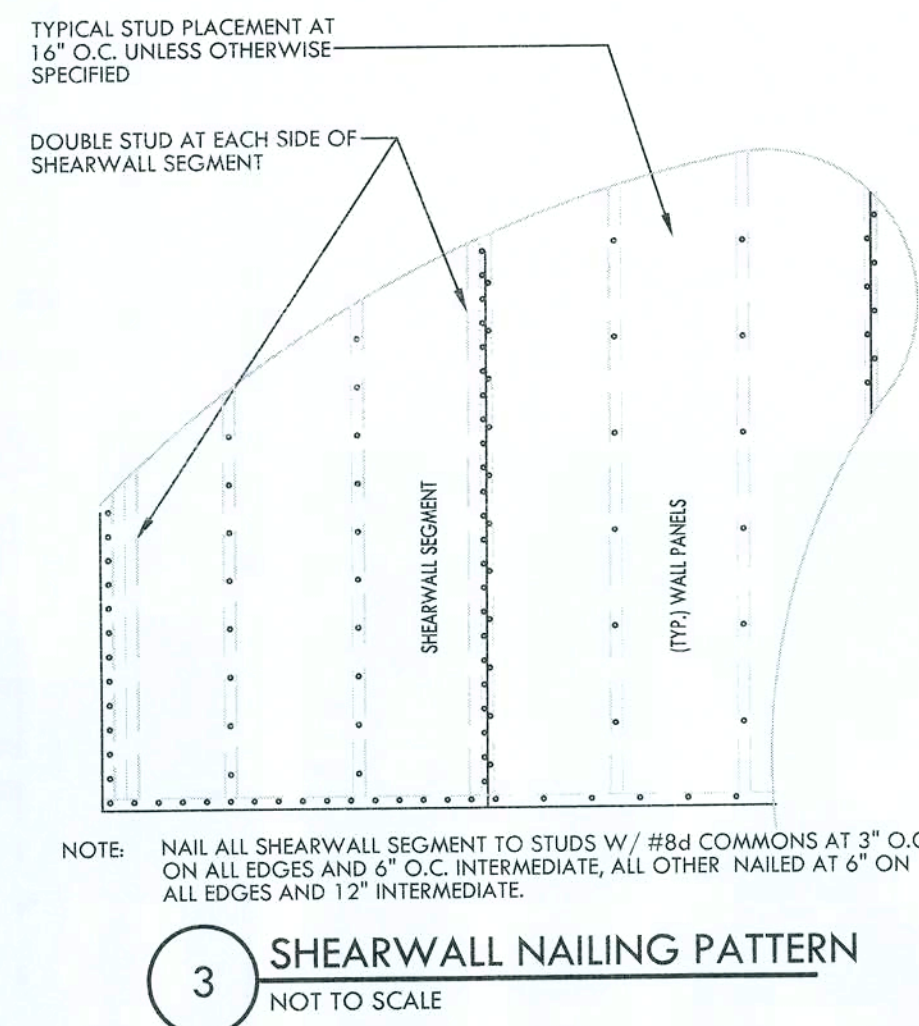
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LICENSE
No. 72214
STATE OF FLORIDA
PROFESSIONAL ENGINEER
2/12/16



ENGINEER:

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OCKLAWAHA, FL 32183-0332

Julius A. Collins, P.E.
JULIUS A. COLLINS, P.E.
FL REGT. 7084
10/10/16

MICRO-BIN ADDITION FOR:
MAYO FERTILIZER
413 NE MCCLOSKEY AVE
LAKE CITY, FLORIDA

REVISIONS

ISSUE DATE
10.10.16

JOB #
1675

SHEET TITLE
SECTIONS

SHEET NO.
A101

FOUNDATION NOTES

FOUNDATION DESIGN IS BASED ON SANDY LOAM SOIL CONDITIONS AND A SOIL BEARING CAPACITY OF 1,500 PSF. IF OTHER CONDITIONS SHOULD OCCUR, THE OWNER SHALL RETAIN THE SERVICES OF A GEOTECHNICAL ENGINEER TO EVALUATE, TEST, AND RECOMMEND FOOTING DESIGNS SUITABLE FOR THE CONDITIONS FOUND. THE ARCHITECT SHALL BE NOTIFIED OF SUCH CONDITIONS AND SHALL BE PROVIDED WITH COPIES OF ALL RELATED TECHNICAL REPORTS, INCLUDING SOIL TESTING AND PROPOSED FOOTING DESIGN.

PROVIDE 3,000 PSI CONCRETE MINIMUM FOR SLABS.

PROVIDE STEEL REINFORCING WITH 3" MINIMUM OF CONCRETE COVER AT ALL FOOTINGS AND ANY REINFORCING CONCRETE BELOW THE FINISH GRADE.

ALL REINFORCING STEEL SHALL BE GRADE 60, DEFORMED.

ALL BAR LAPS TO BE 48x BAR DIAMETER.

DO NOT PENETRATE WALL FOOTINGS WITH PIPING. DROP FOOTING ONLY WHERE ABSOLUTELY NECESSARY. ALL PIPING PENETRATING A STEM WALL MUST BE SLEEVED AND LOCATION APPROVED BY ARCHITECT. PROVIDE RELIEVING ARCH & 2x S PIPE SIZE SLEEVE FOR ALL PIPES PASSING THROUGH THE FOUNDATION WALL. ALLOW FOR A MIN. OF 4" OF SOIL IN-BETWEEN PIPE AND BOTTOM OF SLAB AND PIPE AND TOP OF FOOTING.

PLACE CORNER BARS AT CORNERS AND ENDS OF ALL FOOTINGS, WALLS AND BEAMS. BAR SIZE TO MATCH THE MOST STRINGENT ELEMENT.

ALL CONC. ENTRY SLAB SHALL SLOPED AWAY FROM BUILDING 1/50" PLF MAX.

VERIFY LOCATION OF WATER, SEWER, ELECTRICAL AND VARIOUS SERVICE ENTRIES W/ CIVIL PRIOR TO COMMENCEMENT OF WORK.

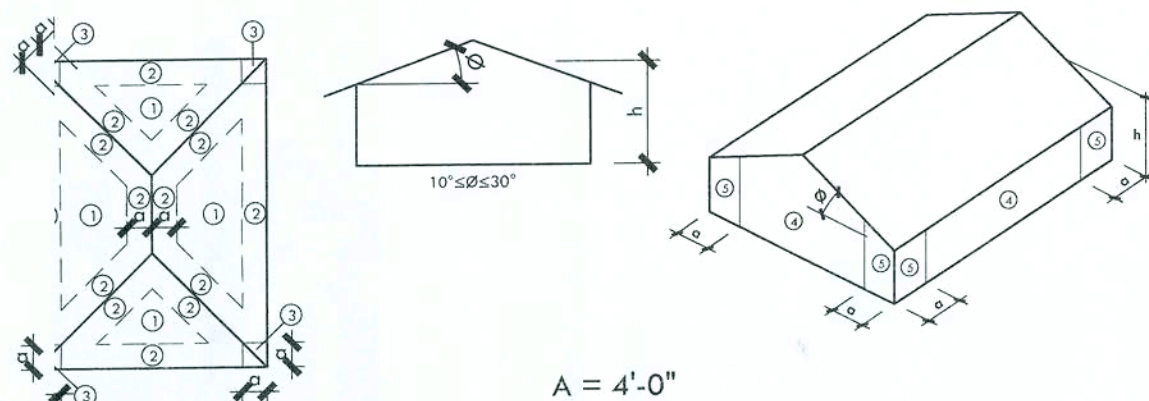
TOOL ALL JOINTS TO 1/4 DEPTH OF SLAB. SAME DAY AS SLAB POUR.

ALL SAW-CUT CONTROL JOINTS SHALL BE CUT TO A DEPTH OF 1" IN SLAB. CUTS TO BE PERFORMED WITHIN 4 HOURS OF POUR. SPACING BETWEEN SAW CUTS SHALL NOT EXCEED 12'-0" O.C. EACH WAY. FILL SAWCUTS WITH ELASTOMERIC SEALANT AFTER REMOVAL OF DUST WITH COMPRESSED AIR. COORDINATE LOCATION OF CUTS WITH CONSTRUCTION DOCUMENTS.

ALL 1/2" EXPANSION JOINTS TO BE FILLED WITH SUGARCANE FIBER CONCRETE EXPANSION JOINT BOARD, BY FLEXCELL.

FBC SECTION 1603- CONSTRUCTION DOCUMENTS

1603.1.1	FLOOR LIVE LOAD (FBC 1607.1)	40 PSF, UNIFORM
1603.1.2	ROOF LIVE LOAD (FBC 1607.1)	20 PSF, UNIFORM
1603.1.3	ROOF SNOW LOAD	N/A
1603.1.4	WIND DESIGN DATA	SEE ADJACENT TABLE
1603.1.4.1	ULTIMATE DESIGN WIND SPEED	130 MPH
1603.1.4.2	RISK CATEGORY (FBC 1604.5)	CATEGORY II
1603.1.4.3	WIND EXPOSURE	EXPOSURE C
1603.1.4.4	APPLICABLE ENCLOSURE CLASSIFICATION	SEE ADJACENT TABLE
1603.1.4.5	COMPONENT AND CLADDING	N/A
1603.1.5	EARTHQUAKE DESIGN DATA	N/A
1603.1.6	GEOTECHNICAL INFORMATION	1,500 PSF - ASSUMED
1603.1.7	FLOOD DESIGN DATA	N/A
1603.1.8	SPECIAL LOADS	N/A
1603.1.9	SEISMIC RESISTANCE	N/A



FLORIDA BUILDING CODE - TABLE 1609.6.2

MAIN WIND FORCE RESISTING FRAME AND SYSTEMS			
DESCRIPTION	C FACTOR ENCLOSED	+ INTERNAL	- INTERNAL
WINDWARD WALL		+0.43	+0.73
LEEWARD WALL		-0.51	-0.21
SIDEWALL		-0.66	-0.35
ROOF SLOPE 6:12		-0.47	-0.16
ROOF ANGLE 6:12			
EFFECTIVE WIND AREA (F ²)			
ZONE	AREA (F ²)	POSITIVE	NEGATIVE
1	10.0 OR LESS	0.92	-1.00
1	100.0 OR MORE	0.83	-0.83
2	10.0 OR LESS	0.92	-1.17
2	100.0 OR MORE	0.83	-1.00
3	10.0 OR LESS	0.92	-1.17
3	100.0 OR MORE	0.83	-1.00
WALL H LESS THAN OR EQUAL TO 60 FEET			
ZONE	AREA (F ²)	POSITIVE	NEGATIVE
4	10.0 OR LESS	1.00	-1.09
4	500.0 OR MORE	0.75	-0.83
5	10.0 OR LESS	1.00	-1.34
5	500.0 OR MORE	0.75	-0.83

CODE ANALYSIS

THIS PROJECT IS DESIGNED TO MEET THE REQUIREMENTS OF:
2014 FIFTH EDITION FLORIDA BUILDING CODE
2014 FIFTH EDITION FLORIDA ENERGY CODE
FLORIDA FIRE PREVENTION CODE 5th EDITION

ALL WORK SHALL CONFORM TO THESE CODES AND ALL OTHER APPLICABLE CODES, STANDARDS, AND ORDINANCES.

OCCUPANCY TYPE:

OCCUPANCY: COMMERCIAL

CONSTRUCTION TYPE:

CONSTRUCTION TYPE: VB, UNPROTECTED, UNSPRINKLERED

DRAWING INDEX

ARCHITECTURAL

A100 CODE ANALYSIS, GENERAL BUILDING INFORMATION

FLOOR/FOUNDATION PLAN
ROOF FRAMING PLAN

A101 SECTIONS

SCOPE OF WORK

MICRO-BIN ADDITION

GENERAL NOTES

- DIMENSIONS ON FLOOR PLANS TYPICALLY ARE TO FACE OF MASONRY WALLS OR TO FACE OF STUD ON STUD WALLS. THE DIMENSIONS OF MASONRY AND STUD WALLS ARE NOMINAL.
- ALL DIMENSIONS MUST BE VERIFIED PRIOR TO MANUFACTURING ANY ITEM TO BE INCORPORATED INTO THE WORK WHETHER OR NOT A SYMBOL SUCH AS " ± " IS SHOWN ON THE DRAWINGS.

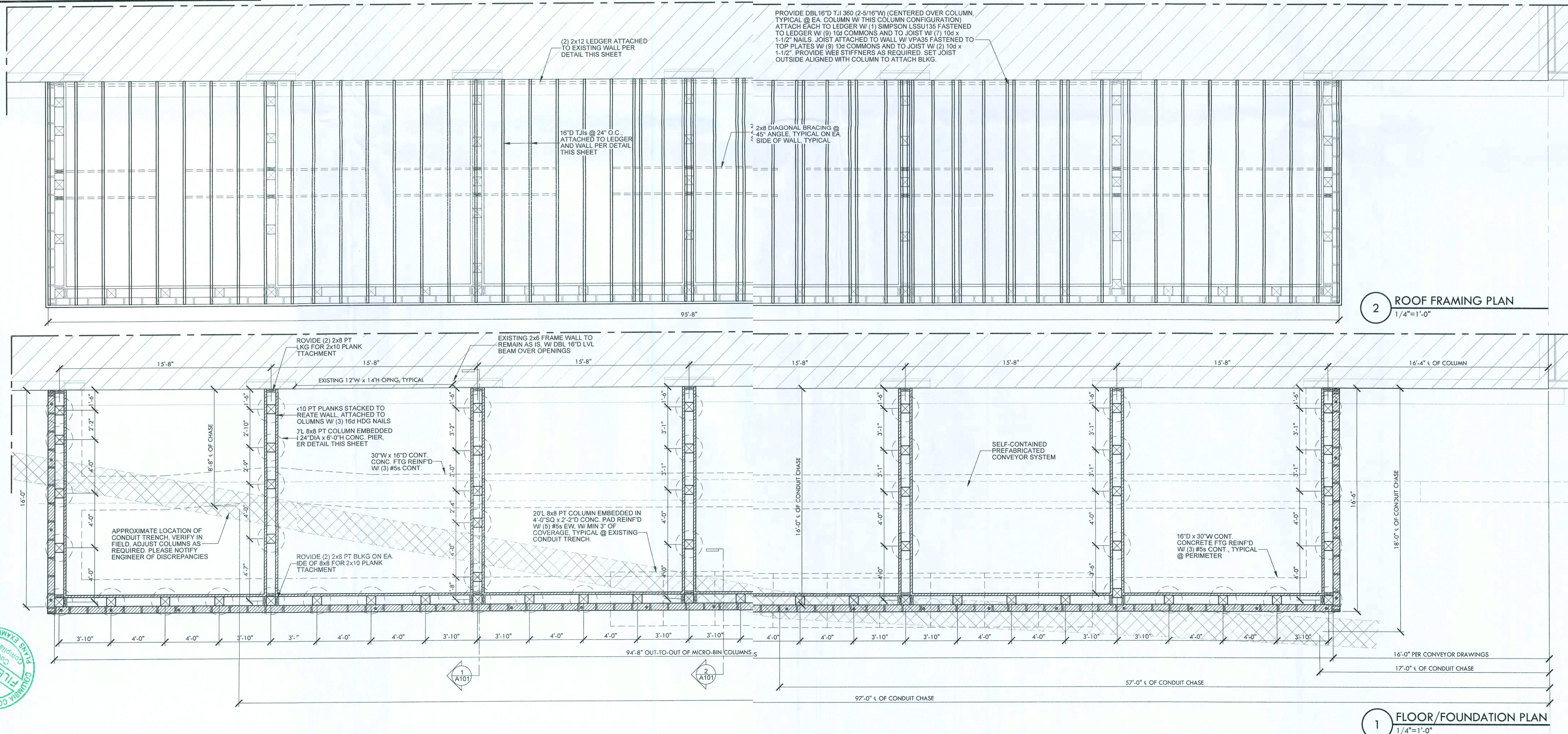
ROOF NOTES

ROOF SHEATHING FASTENING REQUIREMENTS:

STAGGER ROOF SHEATHING AND FASTEN USING 6d COMMON NAILS AT 6" O.C. AT EDGES AND INTERMEDIATE 12" O.C. REFER TO THE COMPONENT AND CLADDING DIAGRAM ON COVER SHEET FOR ADDITIONAL INFORMATION.

ROOF TRUSS LOADING:

TOP CHORD LIVE LOAD:	20 PSF
TOP CHORD DEAD LOAD:	7 PSF
BOTTOM CHORD LIVE LOAD:	0 PSF
BOTTOM CHORD DEAD LOAD:	10 PSF
TOTAL LOADING:	37 PSF
ALLOWABLE DEFLECTION:	L/240 MIN.



ENGINEER:

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OCKLAWAFLA,FL 32183-0332

Julius A. Collins, P.E.
JULIUS A. COLLINS, P.E.
FL REG. 7084
10/11/16

MICRO-BIN ADDITION FOR:
MAYO FERTILIZER
413 NE MCCLOSKEY AVE
LAKE CITY, FLORIDA

REVISIONS

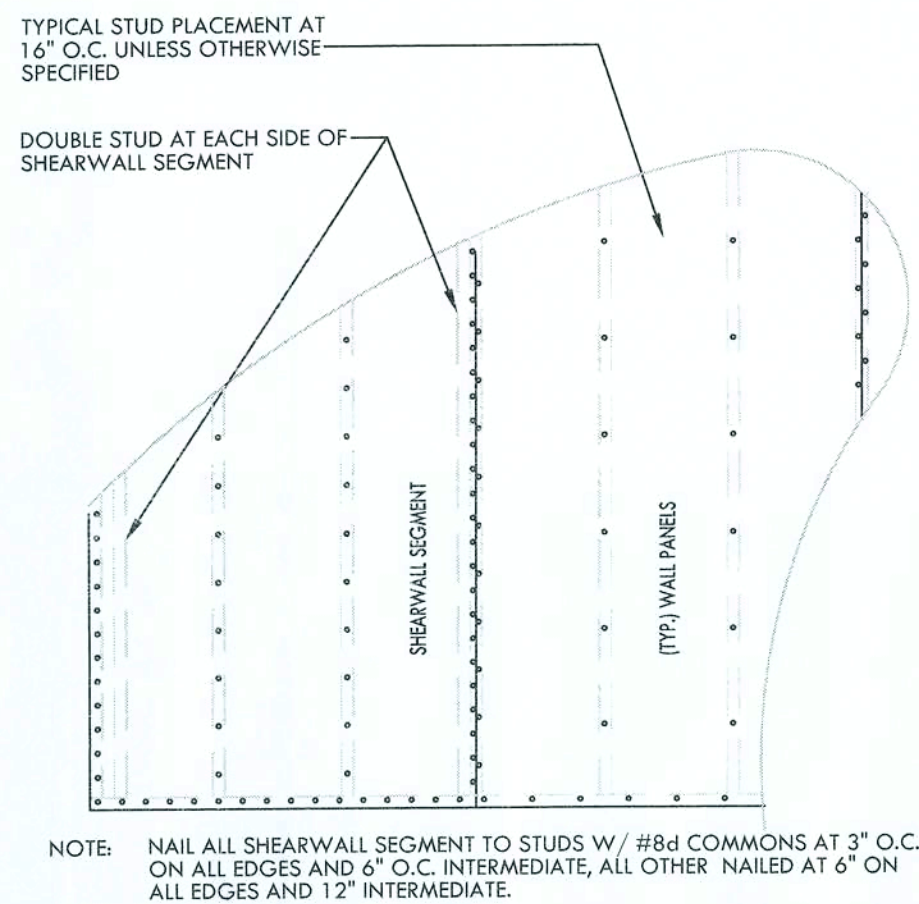
ISSUE DATE
10.10.16

JOB #
1675

SHEET TITLE

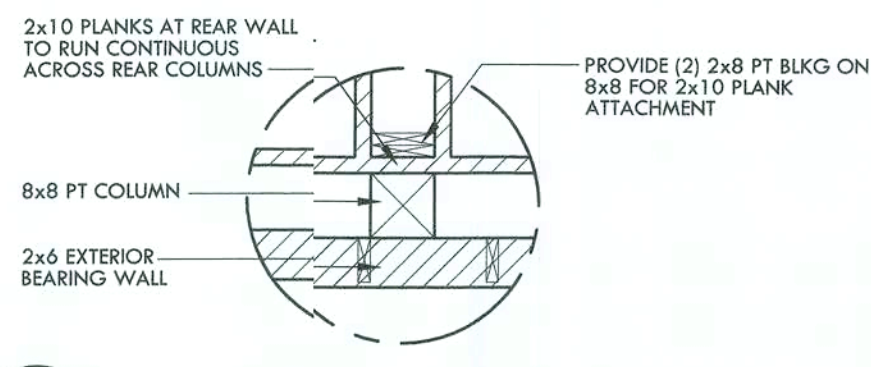
FLOOR PLAN - RENOVATION

SHEET NO.
A100

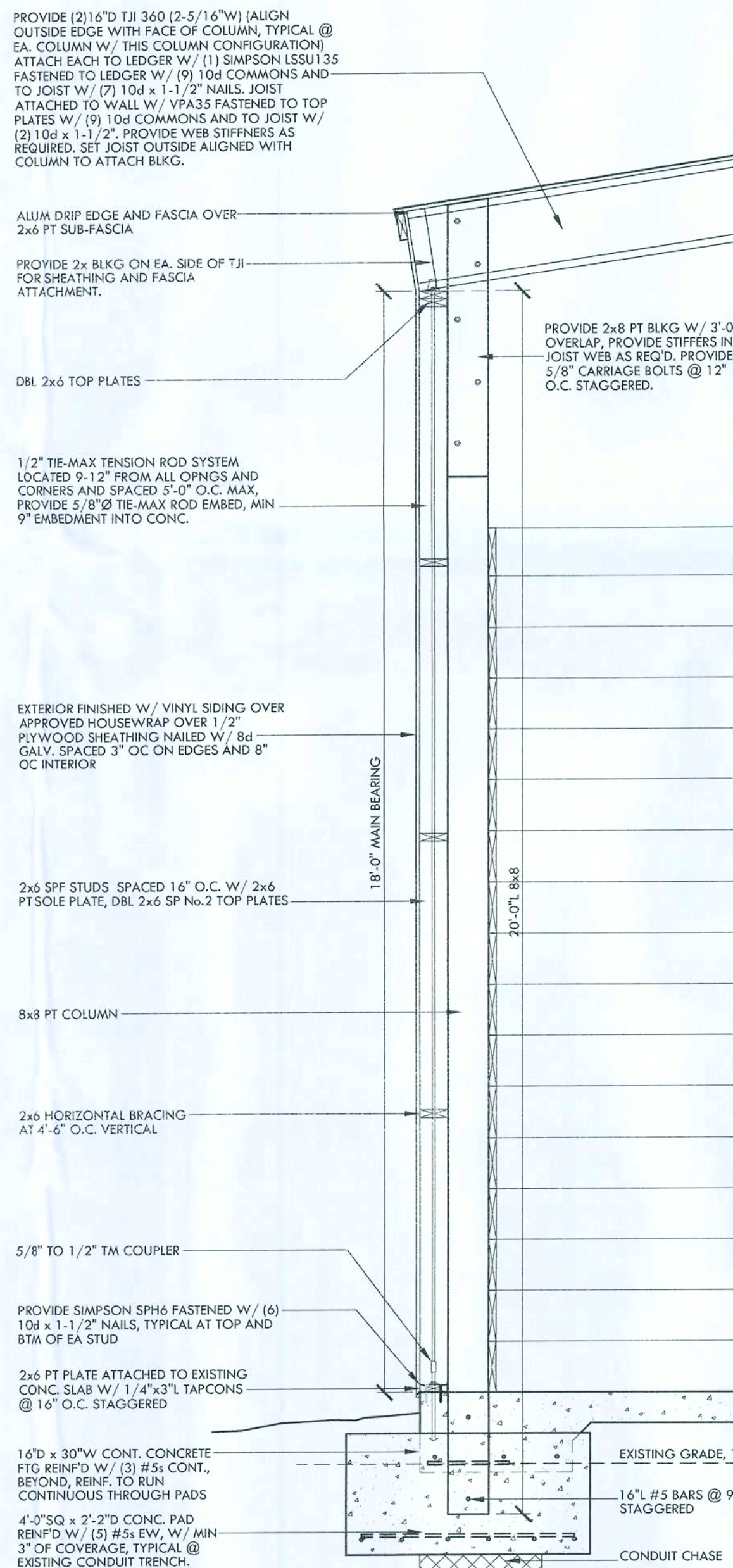


NOTE: NAIL ALL SHEARWALL SEGMENT TO STUDS W/ #8 COMMONS AT 3\"/>

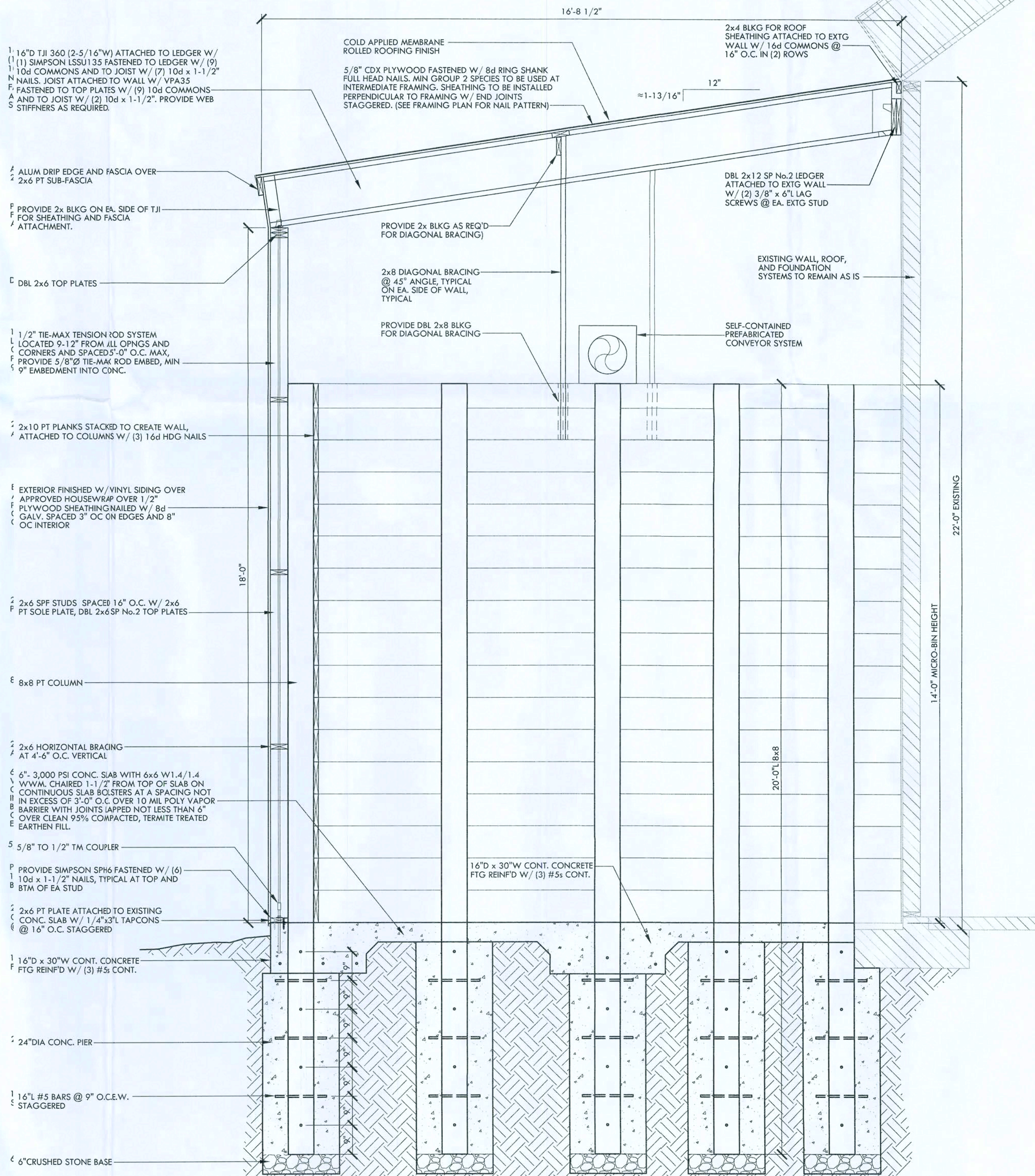
3 SHEARWALL NAILING PATTERN
1/2\"/>



4 PLANK ATTACHMENT AT REAR COLUMNS
1/2\"/>



2 CROSS SECTION
1/2\"/>



1 CROSS SECTION
1/2\"/>

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10/11/16

MICRO-BIN ADDITION FOR:
MAYO FERTILIZER
413 NE MCCLOSKEY AVE
LAKE CITY, FLORIDA

REVISIONS

ISSUE DATE
10.10.16

JOB#
1675

SHEET TITLE

SECTIONS

SHEETNO.
A101